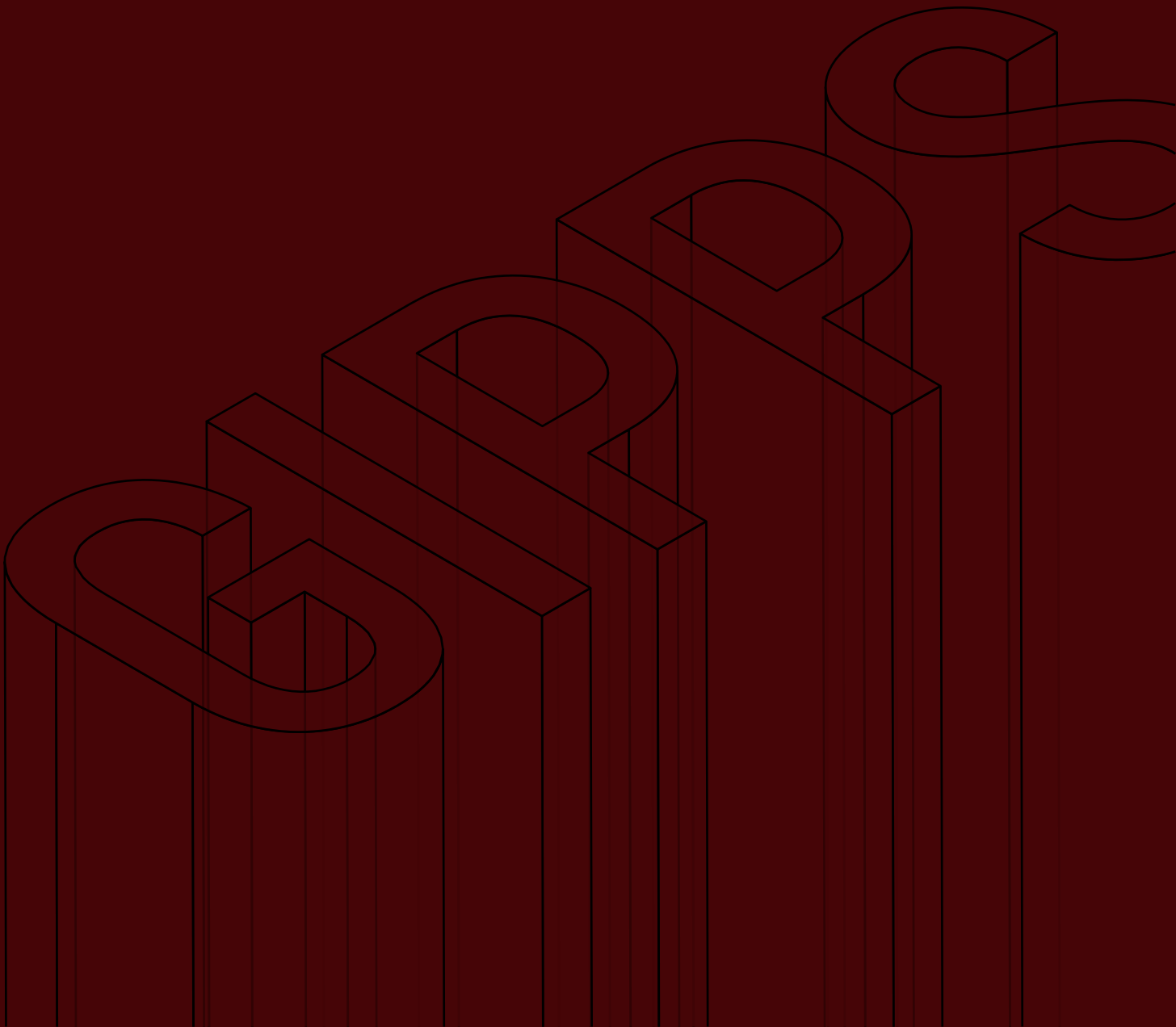


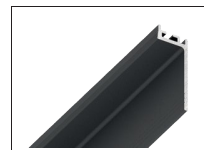
GIPPS

BY KRABB

PROCESS FLOW DIAGRAMS



SHADOW SKIRTING BOARD KRAAB GIPPS



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SHADOW SKIRTING BOARD KRAAB GIPPS WITH A DIFFUSER



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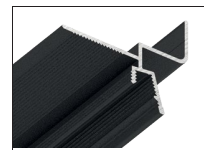
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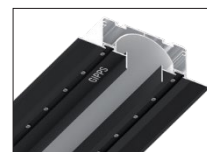


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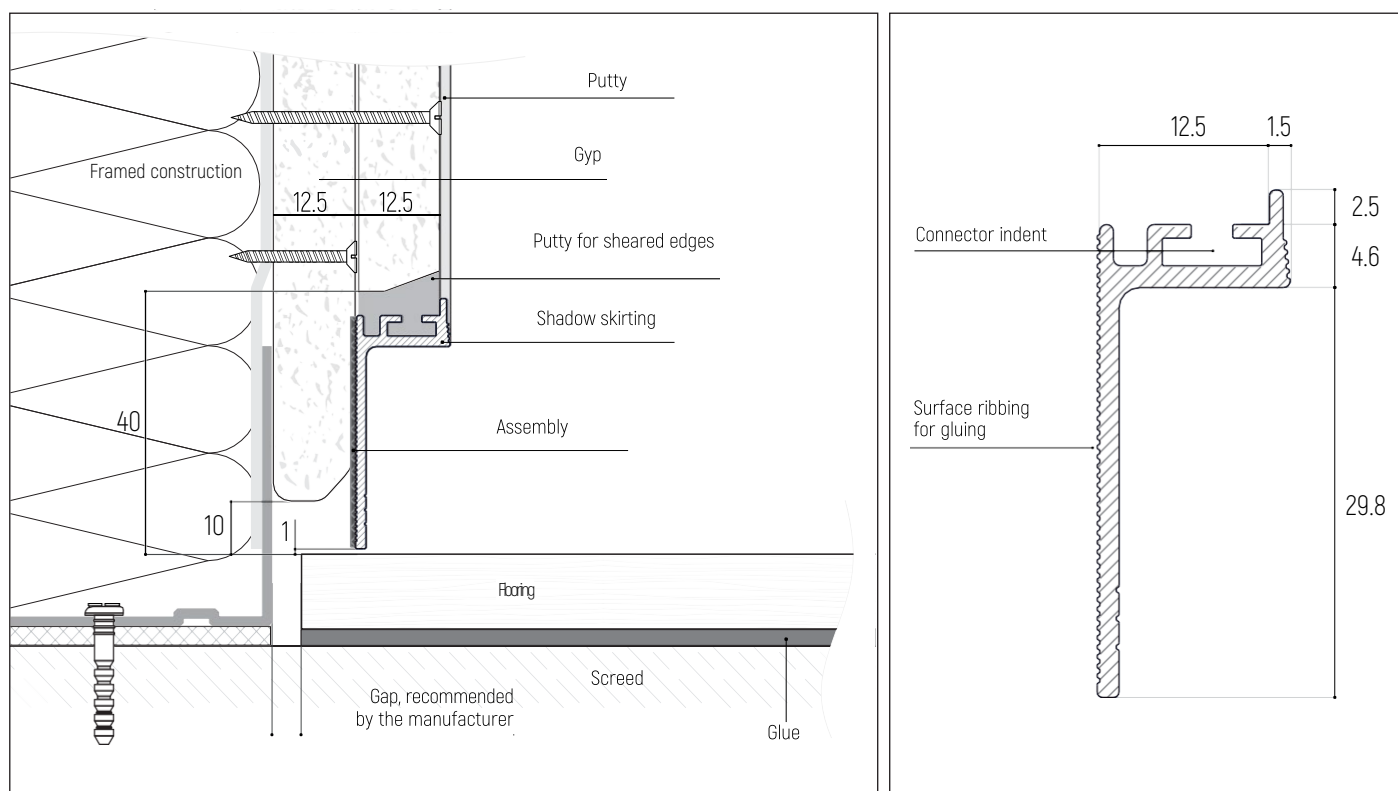
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SHADOW SKIRTING BOARD KRAAB GIPPS for framed constructions

Installation by contact process of flooring. Performing fit-out works on finished flooring

Installation sequence:

- 1 You shall prepare the base for flooring before shadow skirting board installation.
- 2 You shall assemble the framed construction for a two-layer sheathing.
- 3 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring.
- 4 The tiling must be protected once completed. To perform it, you shall glue a masking tape along the installation perimeter of the shadow skirting board. It must be done in a way to be completely removed after fit-out works. Then, you shall lay a vapour-permeable waterproof membrane, a thick non-woven fabric and hardboard sheets. It is important to leave the masking tape open at a distance of 20-25 mm from the frame.
- 5 The second layer shall be installed with a gap of 40 mm from the clean floor while performing frame sheathing. If you use a plaster building board, you shall remove a sloped edge at $\frac{2}{3}$ of the depth at an angle of 22.5° along its end.
- 6 The shadow skirting board is fixated using assembly adhesive, suitable for gluing powder-coated aluminum and sheathing material, with a gap of 0.8-1 mm from the clean floor.
- 7 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 8 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 12 mm thickness and 30 mm height.
- 9 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
- 10 The paint plug and the masking tape are removed once fit-out works are completed. The shadow skirting board is ready.



Installation example. Vertical incision (wall-floor)

Section of KRAAB GIPPS shadow skirting board

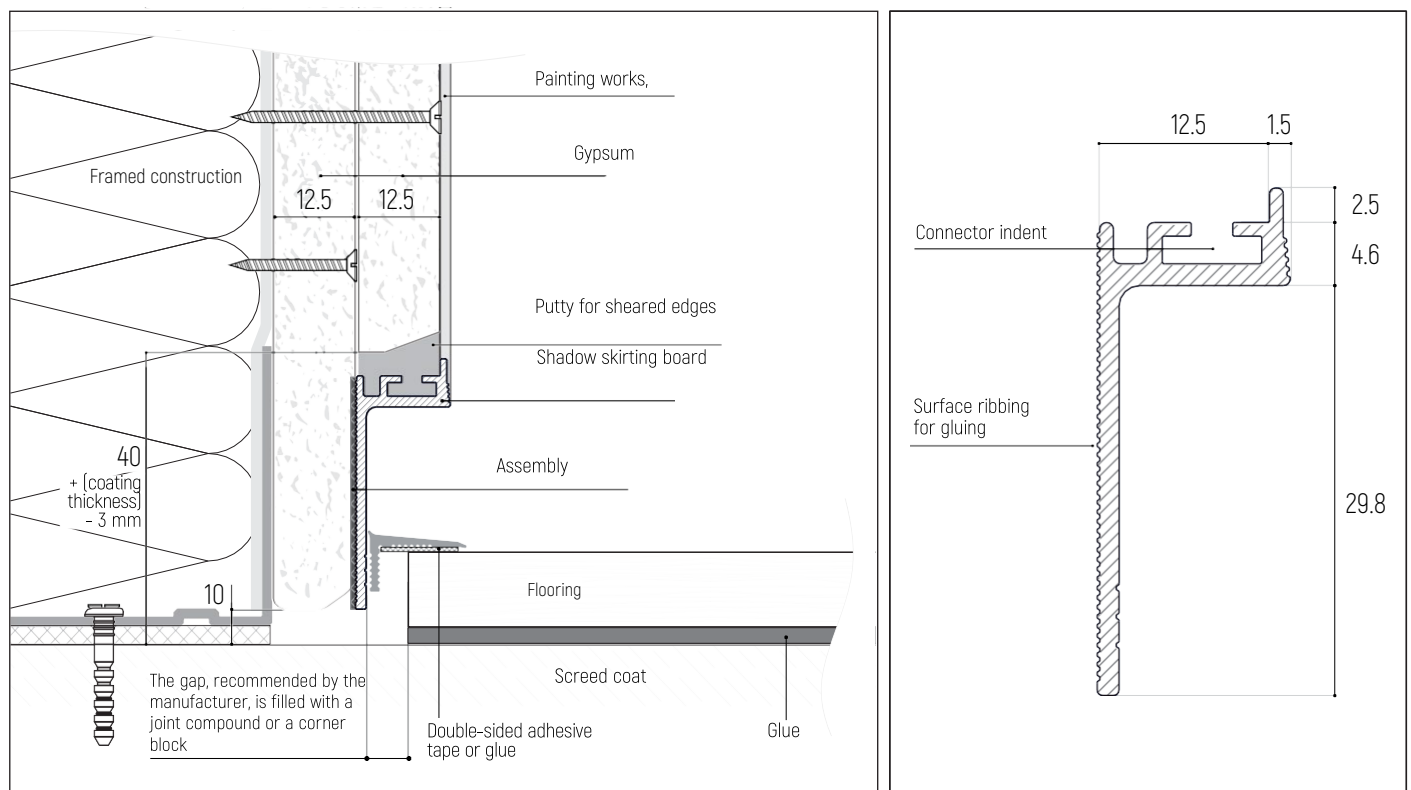
SHADOW SKIRTING BOARD KRAAB GIPPS for framed constructions

Installation by contact process of flooring. Performing flooring after fit-out works

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before shadow skirting board installation.
- 2 You shall assemble the framed construction for a two-layer sheathing.
- 3 The shadow skirting board has the ability to adjust the gap thanks to its design features. To get the minimum, it is installed in a way to touch the base. To get the maximum, it is lifted up in a way to make its lower part overlap the flooring by 3 mm.
- 4 While performing frame sheathing, the second layer shall be installed with a gap of 40 mm from the floor to get the minimum shift. Or at a distance of 40 mm + (thickness of the floor covering) to get the maximum shift. If you use a plaster building board, you shall remove a sloped edge at 2/3 of the depth at an angle of 22.5° along its end.
- 5 The shadow skirting board is fixated with assembly adhesive, suitable for gluing powder-coated aluminum and sheathing material.
- 6 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 7 It is necessary to protect the inside part of the painting board with a paint plug before performing painting works. You can use a strip of extruded foam polystyrene of 12 mm thickness and a height equal to the gap chosen during installation.
- 8 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
- 9 Before laying the floor covering, the paint plug should be removed and the visible vertical part of the skirting board should be sealed with a paint tape in a way to be completely removed after floor covering works.
- 10 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits for aesthetic reasons.
- 11 You should use joint materials recommended by the flooring manufacturer to fill the gap. Generally, they include various compounds, cork compensators, etc.
- 12 You can also use a corner block, installed to the decorative tiling in two ways. Utilizing a double-sided adhesive tape: the tape is glued to the wide side of the corner and it is cut to the width of the shelf. Or utilizing glue, which is applied to the wide side of the corner.



Installation example. Vertical incision (wall-floor)

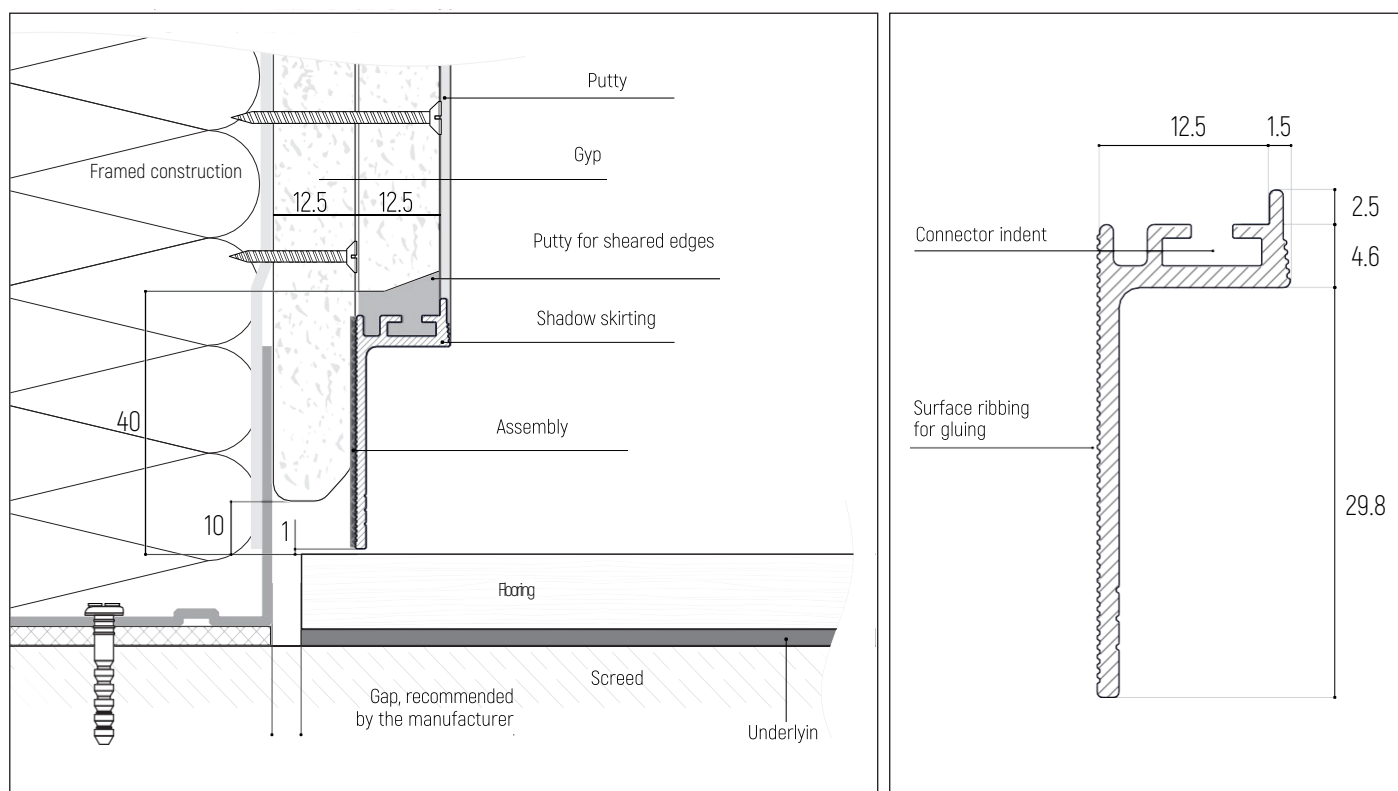
Section of KRAAB GIPPS shadow skirting board

SHADOW SKIRTING BOARD KRAAB GIPPS for framed constructions

Installation by floating process of flooring. Performing fit-out works on finished flooring.

Installation sequence:

- 1 You shall prepare the base for flooring before shadow skirting board installation.
- 2 You shall assemble the framed construction for a two-layer sheathing.
- 3 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring.
- 4 The tiling must be protected once completed. To perform it, you shall glue a masking tape along the installation perimeter of the shadow skirting board. It must be done in a way to be completely removed after fit-out works. Then, you shall lay a vapour-permeable waterproof membrane, a thick non-woven fabric and hardboard sheets. It is important to leave the masking tape open at a distance of 20-25 mm from the frame.
- 5 The second layer shall be installed with a gap of 40 mm from the clean floor while performing frame sheathing. If you use a plaster building board, you shall remove a sloped edge at $\frac{2}{3}$ of the depth at an angle of 22.5° along its end.
- 6 The shadow skirting board is fixated using assembly adhesive, suitable for gluing powder-coated aluminum and sheathing material, with a gap of 0.8-1 mm from the clean floor.
- 7 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 8 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 12 mm thickness and a height equal to 30 mm.
- 9 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
- 10 The paint plug and the masking tape are removed once fit-out works are completed. The shadow skirting board is ready.



Installation example. Vertical incision (wall-floor)

Section of KRAAB GIPPS shadow skirting board

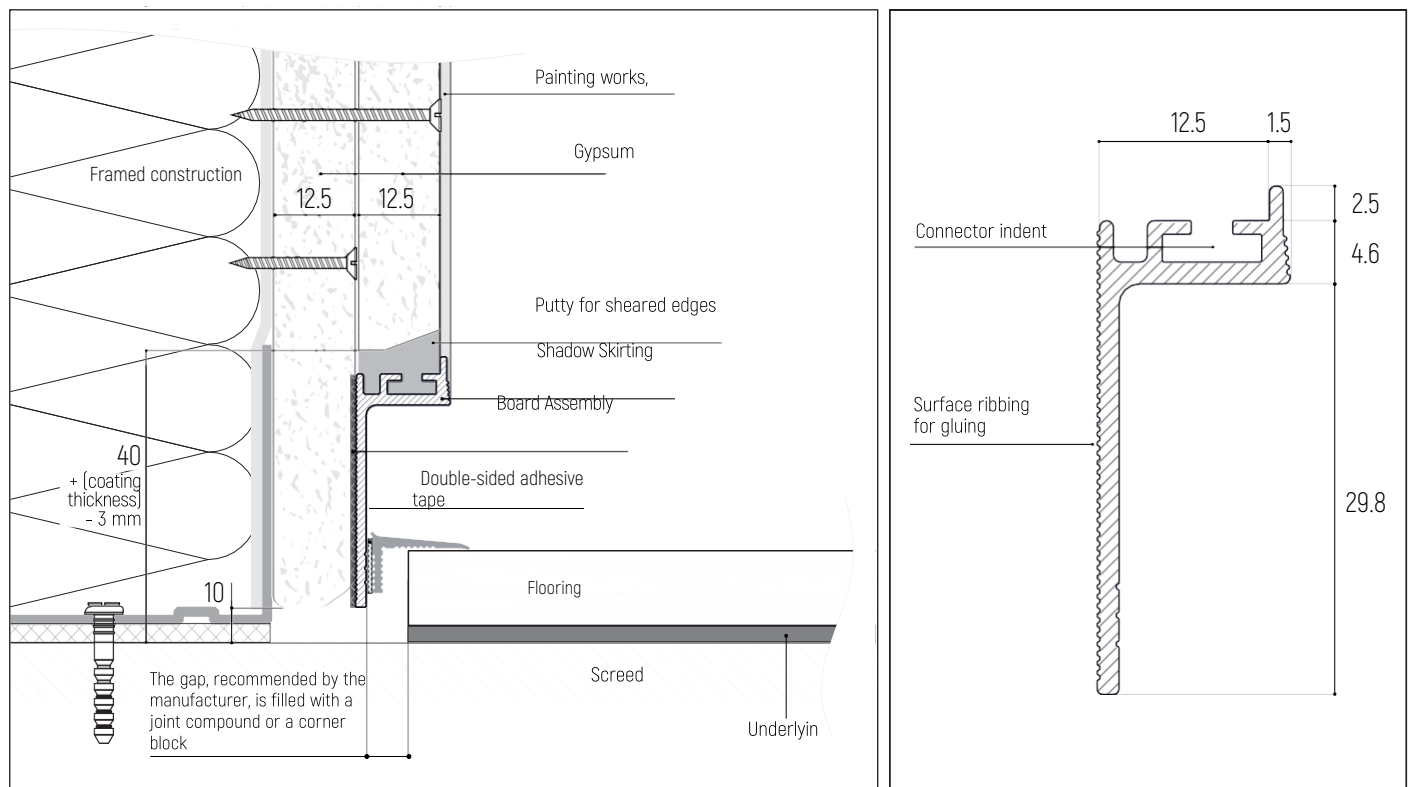
SHADOW SKIRTING BOARD KRAAB GIPPS for framed constructions

Installation by floating process of flooring. Performing flooring after fit-out works.

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before shadow skirting board installation.
- 2 You shall assemble the framed construction for a two-layer sheathing.
- 3 The shadow skirting board has the ability to adjust the gap thanks to its design features. To get the minimum, it is installed in a way to touch the base. To get the maximum, it is lifted up in a way to make its lower part overlap the flooring by 3 mm.
- 4 While performing frame sheathing, the second layer shall be installed with a gap of 40 mm from the floor to get the minimum shift. Or at a distance of 40 mm + (thickness of the floor covering) to get the maximum shift. If you use a plaster building board, you shall remove a sloped edge at 2/3 of the depth at an angle of 22.5° along its end.
- 5 The shadow skirting board is fixated with assembly adhesive, suitable for gluing powder-coated aluminum and sheathing material.
- 6 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 7 It is necessary to protect the inside part of the painting board with a paint plug before performing painting works. You can use a strip of extruded foam polystyrene of 12 mm thickness and a height equal to the gap chosen during installation.
- 8 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
- 9 Before laying the floor covering, the paint plug should be removed and the visible vertical part of the skirting board should be sealed with a paint tape in a way to be completely removed after floor covering works.
- 10 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits for aesthetic reasons.
- 11 You should use joint materials recommended by the flooring manufacturer to fill the gap. Generally, they include various compounds, cork compensators, etc.
- 12 You can also use a corner block which is installed to the shadow skirting board, using a foamed double-sided adhesive tape of 0.8-1 mm. To perform it, the tape is glued to the small side of the corner block and it is cut to the width of the shelf. Then, the corner block is laid on the flooring and pressed against the shadow skirting board.



Installation example. Vertical incision (wall-floor)

Section of KRAAB GIPPS shadow skirting board

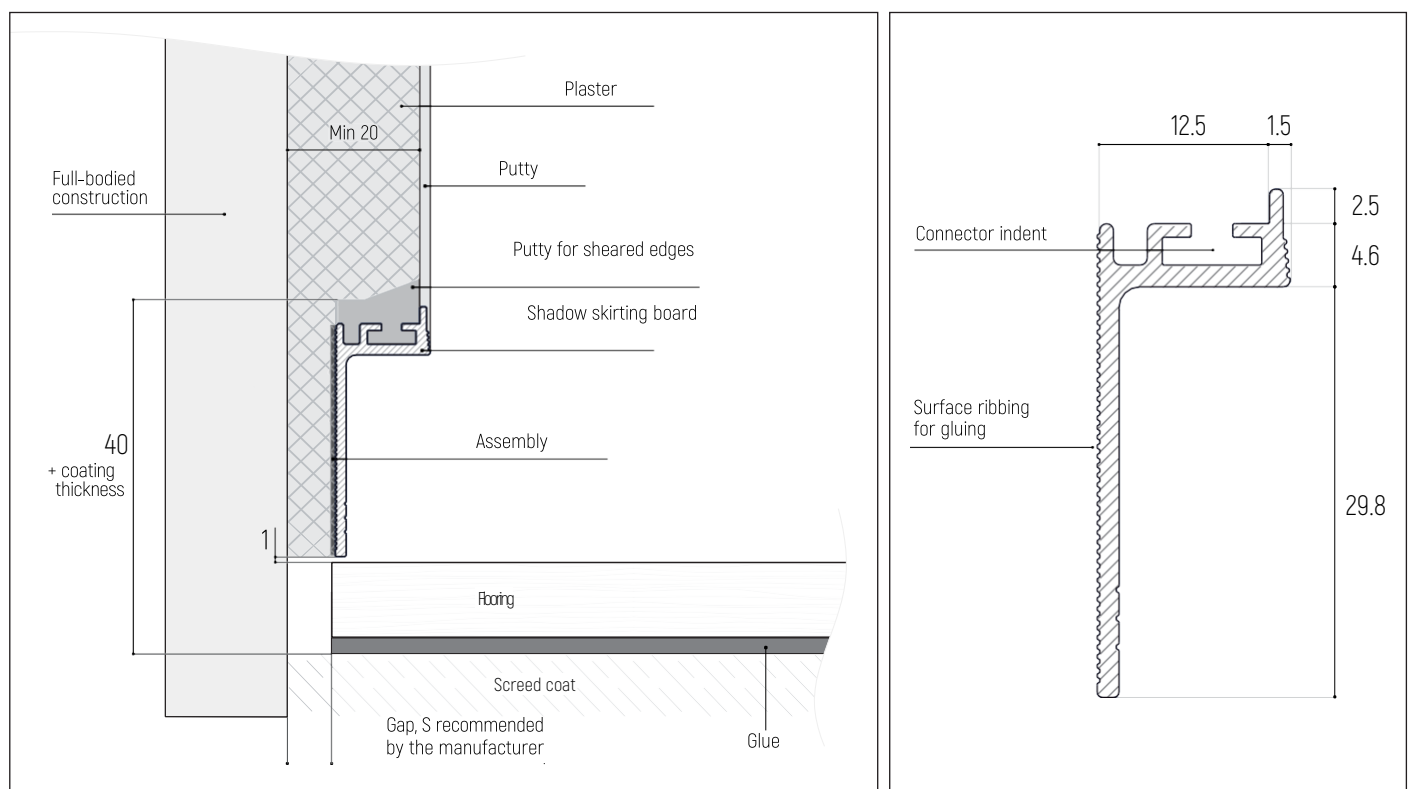
SHADOW SKIRTING BOARD KRAAB GIPPS for plastered

Installation by contact process of flooring. Performing fit-out works on finished flooring

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before shadow skirting board installation.
- 2 The wall is not supposed to be completely plastered. There has to remain a section at the bottom junction with the floor. The section is of a height of at least 40 mm + the thickness of the floor covering and of a depth of at least 20 mm.
- 3 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits for aesthetic reasons.
- 4 The tiling must be protected once completed. To perform it, a wear-resistant masking tape is glued along the installation perimeter of the shadow skirting board, touching 5-7 mm of the wall in a way to be completely removed after fit-out works. Then, you shall lay a vapour-permeable waterproof membrane, a thick non-woven fabric and hardboard sheets. It is important to leave the masking tape open at a distance of 45-50 mm from the wall.
- 5 Niche construction for the shadow skirting board installation is carried out using an original or a homemade template, which can be cut according to drawings. Plastering materials and plastering production methods are used. The gap between the floor and the wall is filled with a mixture. Then, the niche is formed by leading the template along the wall. The floor or the previously plastered wall are used as a support.
- 6 **ATTENTION!** It is important to ensure that there is not direct contact between the materials in order to form the niche and the flooring. To perform it, you should use a trowel to separate the niche and the flooring on the floor. Or you should work on a separating underlying base. For example, a strip of fiberboard laid on the floor, which is removed when the mixture hardens.
- 7 The shadow skirting board is fixated using assembly adhesive, suitable for gluing powder-coated aluminum and wall material with a gap of 0.8-1 mm from the clean floor.
- 8 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 9 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 12 mm thickness and a height equal to 30 mm.
- 10 Further surface finishing is carried out according to the chosen painting method. The joint between the plastering and the shadow skirting board is sealed according to the work execution with sheared or installation edges of standard sheet materials.
- 11 The paint plug and the masking tape are removed once fit-out works are completed. The shadow skirting board is ready.



Installation example. Vertical incision (wall-floor)

Section of KRAAB GIPPS shadow skirting board

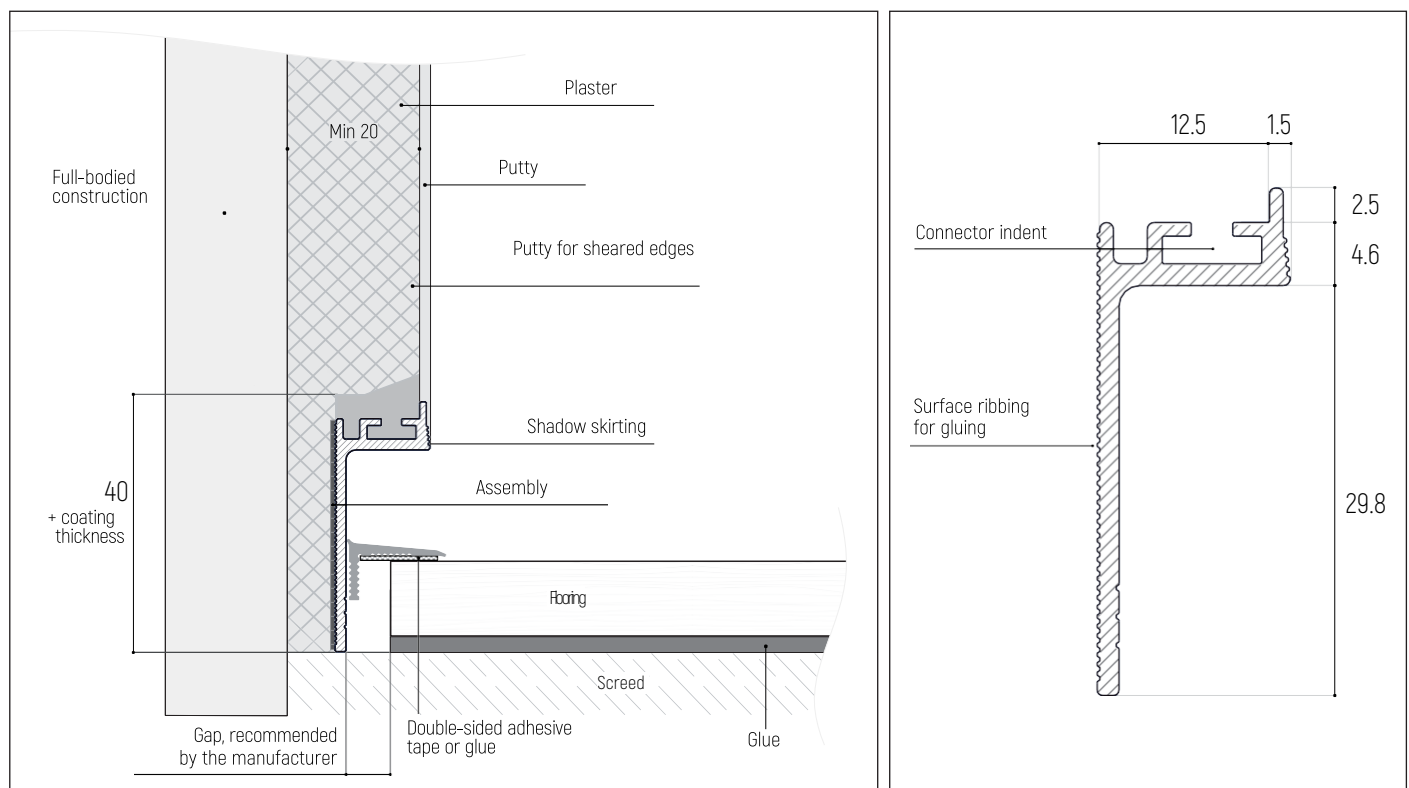
SHADOW SKIRTING BOARD KRAAB GIPPS for plastered

Installation by contact process of flooring. Performing flooring after fit-out works

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before shadow skirting board installation.
- 2 The wall is not supposed to be completely plastered. There has to remain a section at the bottom junction with the floor. The section is of a height of at least 40 mm + the thickness of the floor covering of a depth of at least 20 mm.
- 3 Niche construction for the shadow skirting board installation is carried out using an original or a homemade conductor, which can be cut according to drawings. Plastering materials and plastering production methods are used. The gap between the floor and the wall is filled with a mixture. Then, the niche is formed by leading the template along the wall. The floor or the previously plastered wall are used as a support. To get the minimum gap point, the conductor is led touching the floor. To get the maximum gap point, it is led with a shift from the floor, equals the floor thickness minus 3mm.
- 4 The shadow skirting board has the ability to adjust the gap thanks to its design features. To get the minimum, it is installed in a way to touch the base. To get the maximum, it is lifted up in a way to make its lower part overlap the flooring by 3 mm.
- 5 The shadow skirting board is fixated with assembly adhesive, suitable for gluing powder-coated aluminum and wall material.
- 6 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 7 It is necessary to protect the inside part of the painting board with a paint plug before performing painting works. You can use a strip of extruded foam polystyrene of 12 mm thickness and a height equal to the gap chosen during installation.
- 8 Further surface finishing is carried out according to the chosen painting method. The joint between the plastering and the shadow skirting board is sealed according to the work execution with sheared or installation edges of standard sheet materials.
- 9 Before laying the floor covering, the paint plug should be removed and the visible vertical part of the skirting board should be sealed with a paint tape in a way to be completely removed after floor covering works.
- 10 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits and performed as neatly as possible for aesthetic reasons.
- 11 You should use joint materials recommended by the flooring manufacturer to fill the gap. Generally, they include various compounds, cork compensators, etc.
- 12 You can also use a corner block, installed to the decorative tiling in two ways. Utilizing a double-sided adhesive tape: the tape is glued to the wide side of the corner and it is cut to the width of the shelf. Or utilizing glue, which is applied to the wide side of the corner.



Installation example. Vertical incision (wall-floor)

Section of KRAAB GIPPS shadow skirting board

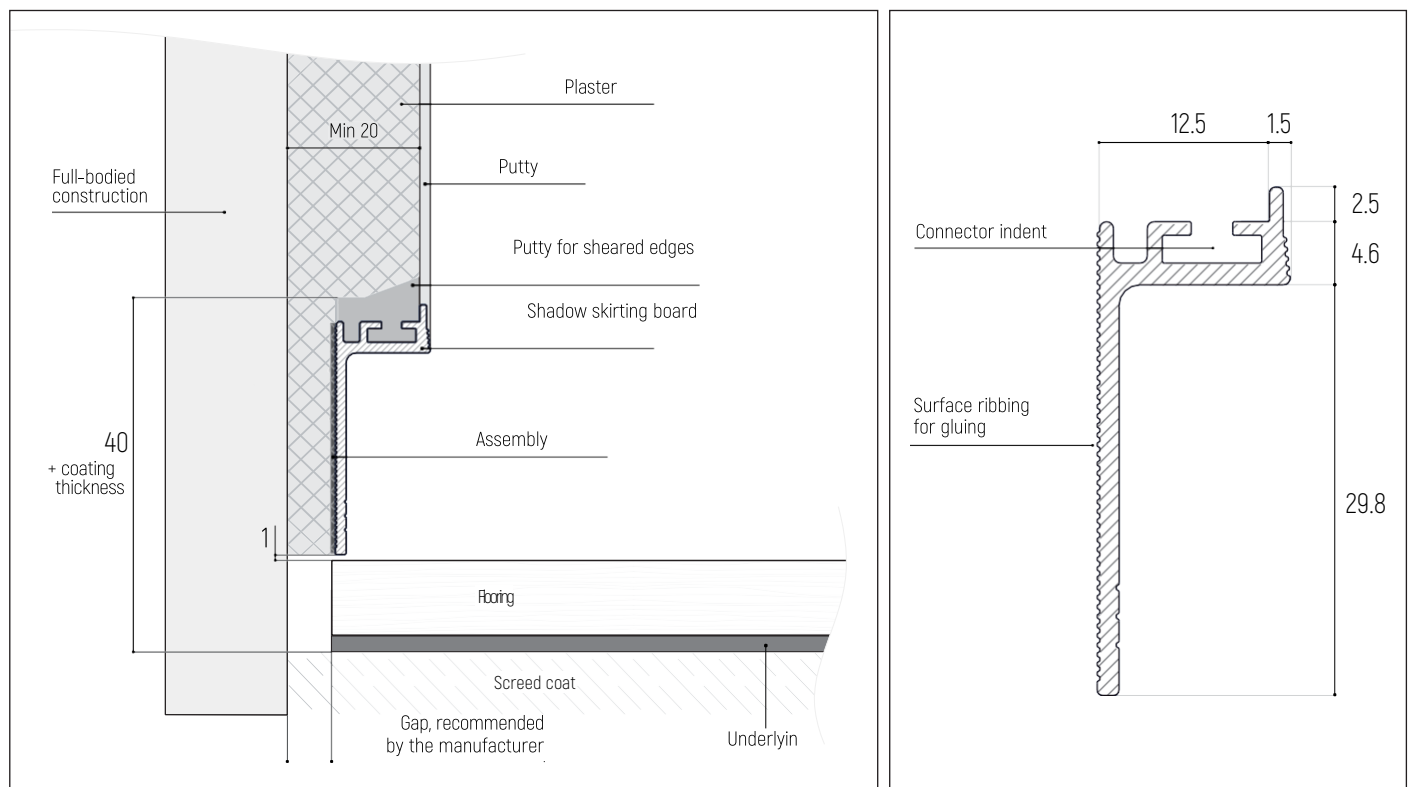
SHADOW SKIRTING BOARD KRAAB GIPPS for plastered

Installation by floating process of flooring. Performing fit-out works on finished flooring

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before shadow skirting board installation.
- 2 The wall is not supposed to be completely plastered. There has to remain a section at the bottom junction with the floor. The section is of a height of at least 40 mm + the thickness of the floor covering of a depth of at least 20 mm.
- 3 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits for aesthetic reasons.
- 4 The tiling must be protected once completed. To perform it, a wear-resistant masking tape is glued along the installation perimeter of the shadow skirting board, touching 5-7 mm of the wall in a way to be completely removed after fit-out works. Then, you shall lay a vapour-permeable waterproof membrane, a thick non-woven fabric and hardboard sheets. It is important to leave the masking tape open at a distance of 45-50 mm from the wall.
- 5 Niche construction for the shadow skirting board installation is carried out using an original or a homemade template, which can be cut according to drawings. Plastering materials and plastering production methods are used. The gap between the floor and the wall is filled with a mixture. Then, the niche is formed by leading the template along the wall. The floor or the previously plastered wall are used as a support.
- 6 **ATTENTION!** It is important to ensure that there is not direct contact between the materials in order to form the niche and the flooring. To perform it, you should use a trowel to separate the niche and the flooring on the floor. Or you should work on a separating underlying base. For example, a strip of fiberboard laid on the floor, which is removed when the mixture hardens.
- 7 The shadow skirting board is fixated using assembly adhesive, suitable for gluing powder-coated aluminum and wall material with a gap of 0.8-1 mm from the clean floor.
- 8 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 9 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 12 mm thickness and a height equal to 30 mm.
- 10 Further surface finishing is carried out according to the chosen painting method. The joint between the plastering and the shadow skirting board is sealed according to the work execution with sheared or installation edges of standard sheet materials.
- 11 The paint plug and the masking tape are removed once fit-out works are completed. The shadow skirting board is ready.



Installation example. Vertical incision (wall-floor)

Section of KRAAB GIPPS shadow skirting board

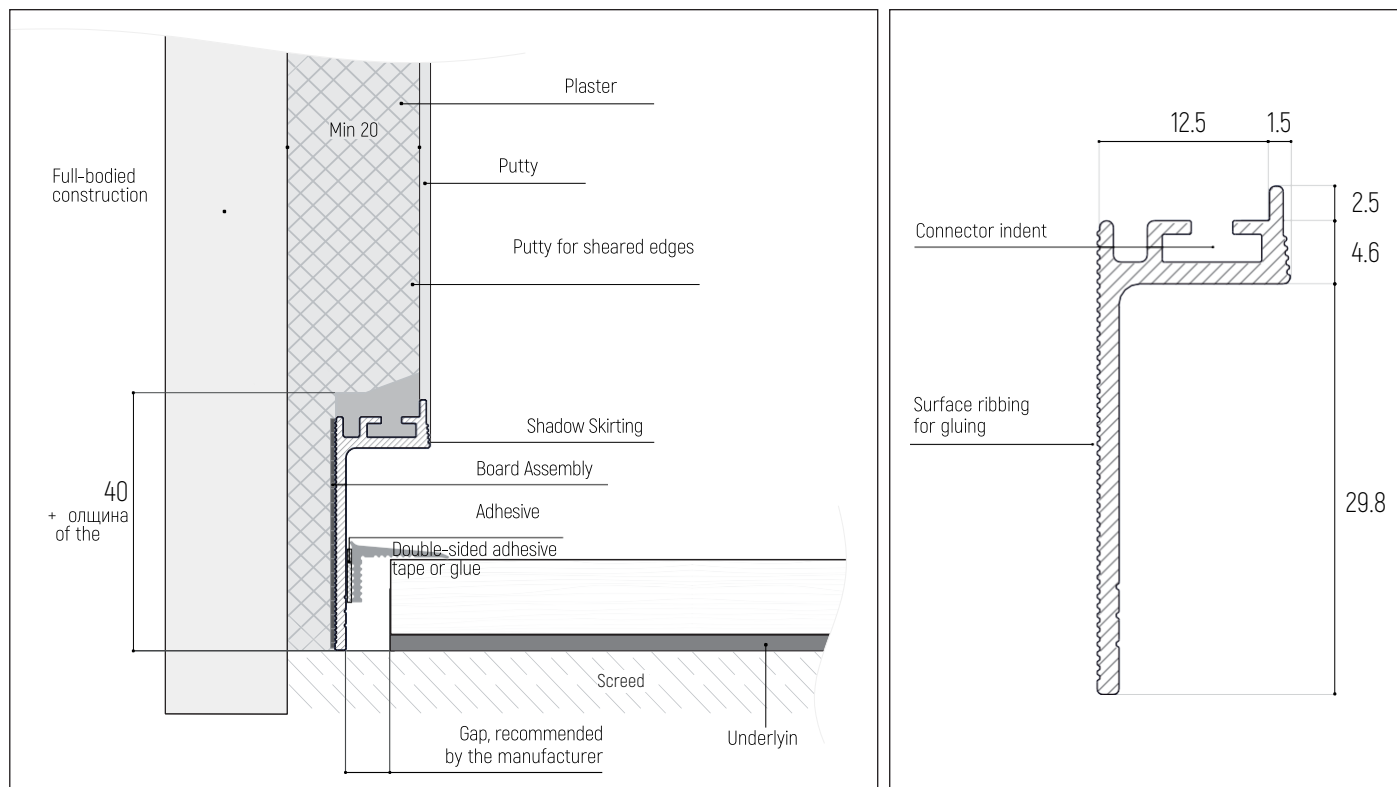
SHADOW SKIRTING BOARD KRAAB GIPPS for plastered

Installation by floating process of flooring. Performing flooring after fit-out works

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before shadow skirting board installation.
- 2 The wall is not supposed to be completely plastered. There has to remain a section at the bottom junction with the floor. The section is of a height of at least 40 mm + the thickness of the floor covering of a depth of at least 20 mm.
- 3 Niche construction for the shadow skirting board installation is carried out using an original or a homemade template, which can be cut according to drawings. Plastering materials and plastering production methods are used. The gap between the floor and the wall is filled with a mixture. Then, the niche is formed by leading the template along the wall. The floor or the previously plastered wall are used as a support. To get the minimum gap point, the template is led touching the floor. To get the maximum gap point, it is led with a shift from the floor, equals the floor thickness.
- 4 The shadow skirting board has the ability to adjust the gap thanks to its design features. To get the minimum, it is installed in a way to touch the base. To get the maximum, it is lifted up in a way to make its lower part overlap the flooring by 3 mm.
- 5 The shadow skirting board is fixated with assembly adhesive, suitable for gluing powder-coated aluminum and wall material.
- 6 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 7 It is necessary to protect the inside part of the painting board with a paint plug before performing painting works. You can use a strip of extruded foam polystyrene of 12 mm thickness and a height equal to the gap chosen during installation.
- 8 Further surface finishing is carried out according to the chosen painting method. The joint between the plastering and the shadow skirting board is sealed according to the work execution with sheared or installation edges of standard sheet materials.
- 9 Before laying the floor covering, the paint plug should be removed and the visible vertical part of the skirting board should be sealed with a paint tape in a way to be completely removed after floor covering works.
- 10 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits for aesthetic reasons.
- 11 You should use joint materials recommended by the flooring manufacturer to fill the gap. Generally, they include various compounds, cork compensators, etc.
- 12 You can also use a corner block which is installed to the shadow skirting board with a foamed double-sided adhesive tape of 0.8-1 mm thick. To get it, the tape is glued to the small side of the corner block and it is cut to the width of the shelf. Then, the corner block is laid on the flooring and pressed against the shadow skirting board.



Installation example. Vertical incision (wall-floor)

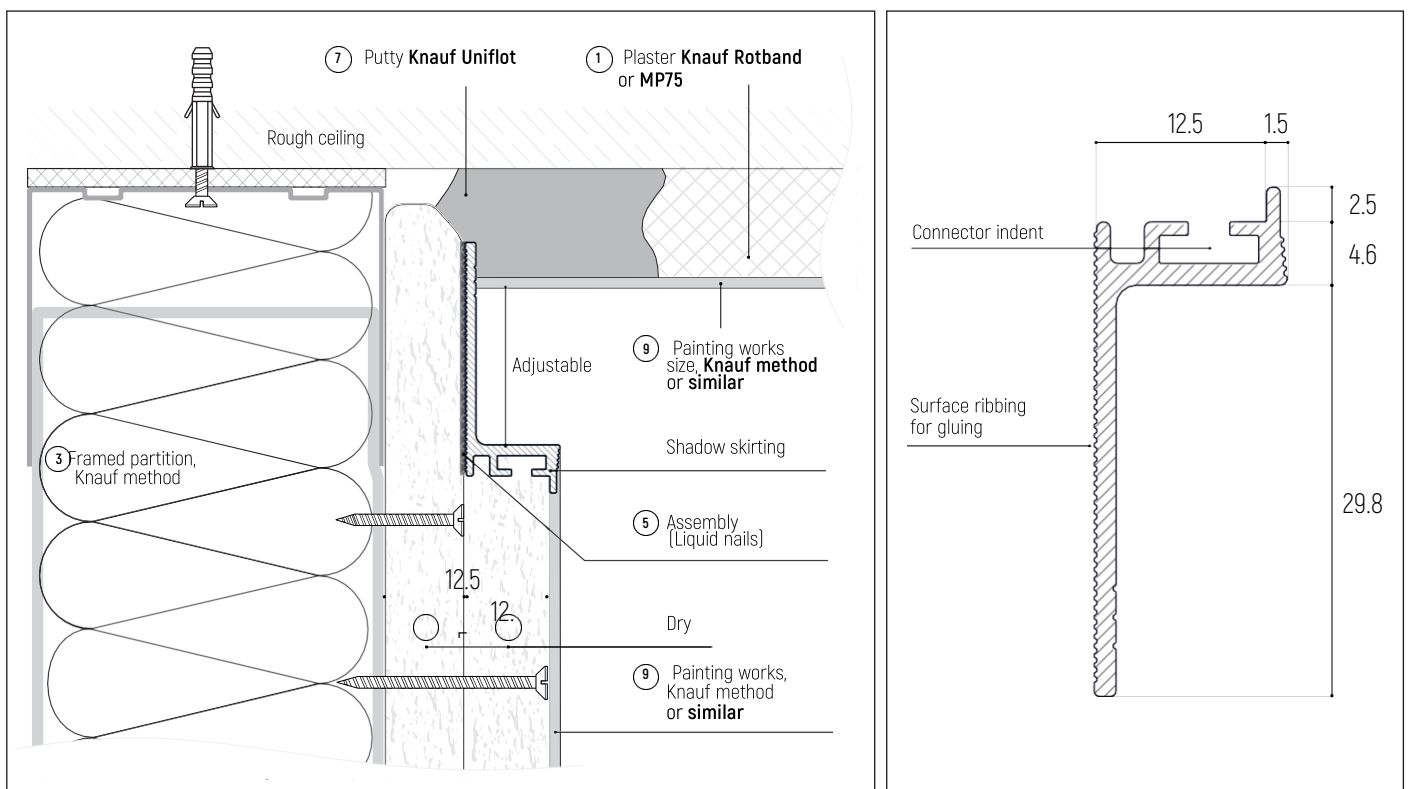
Section of KRAAB GIPPS shadow skirting board

SHADOW SKIRTING BOARD

For framed constructions - plastered ceiling attachment

Installation sequence:

- 1 Plaster the ceiling without touching the wall.
- 2 Wait till the plaster dries.
- 3 Install a metal frame KNAUF.
- 4 Sheathe the frame with the first layer of drywall. Leave 10 mm till it gets to the ceiling. Seal built joints of the first drywall layer using putty KNAUF-Fugen, KNAUF-Uniflott or an alternative.
- 5 Assemble the shadow skirting board, using assembly adhesive (liquid nails).
- 6 Fixate the second drywall layer concurrently putting drywall sheets on the shadow skirting board slot. If the sheathing is horizontal, it is necessary to cut the built edge on the drywall.
- 7 Prime the gap between the plaster and the skirting board, using deep primer and putty with KNAUF-Uniflott or an alternative.
- 8 Protect the shadow skirting board gap, using a masking tape.
- 9 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)

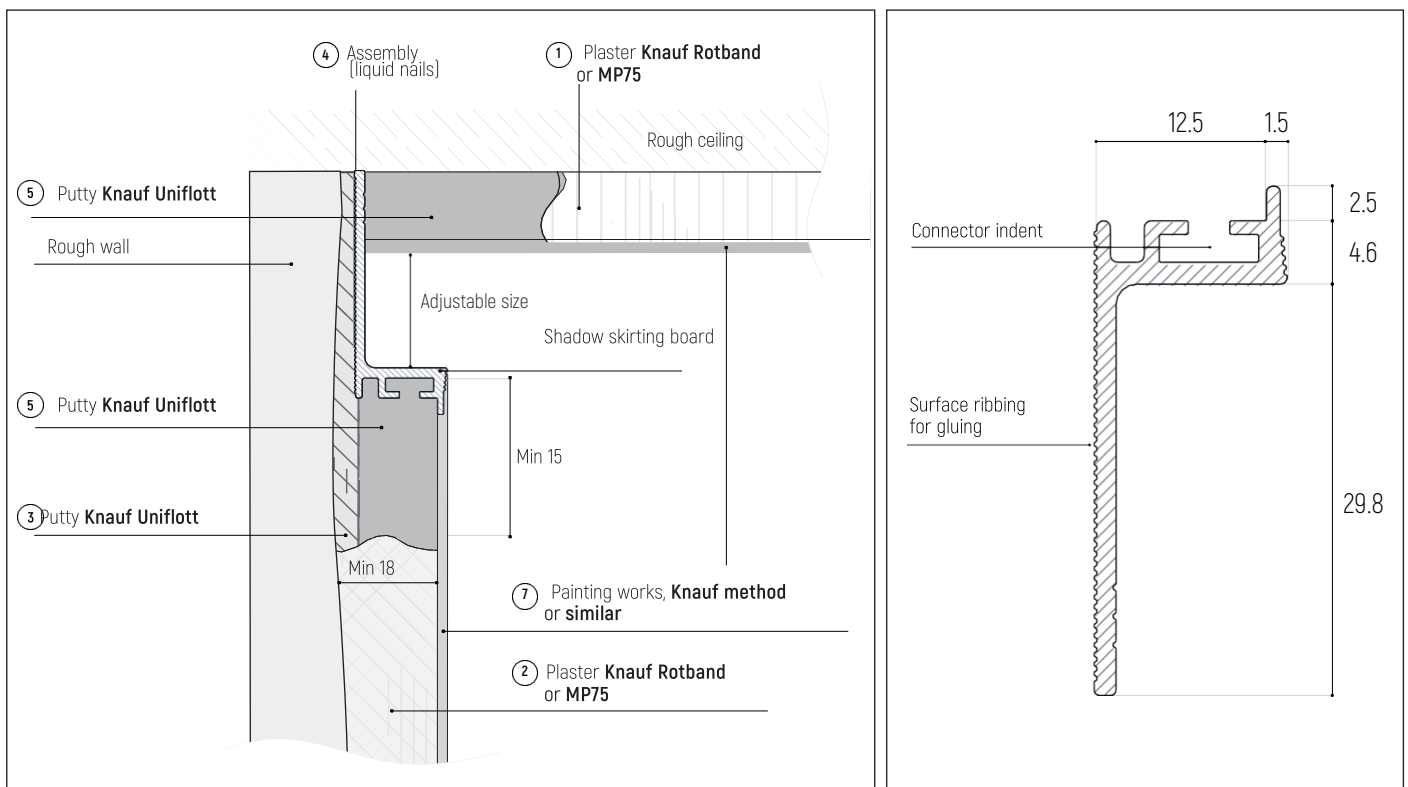
Section of KRAAB GIPPS shadow skirting board

SHADOW SKIRTING BOARD

For plastered walls - plastered ceiling attachment

Installation sequence:

- 1 Plaster the ceiling without touching the wall.
- 2 Plaster the wall, leaving the plaster 60 mm off the ceiling.
- 3 Smooth the resulting indent, using a template to install the shadow skirting board.
- 4 Assemble the shadow skirting board, using assembly adhesive (liquid nails).
- 5 Prime the gap between the plaster and the skirting board, using deep primer and putty with KNAUF-Uniflott or an alternative.
- 6 Protect the shadow skirting board gap, using a masking tape.
- 7 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)

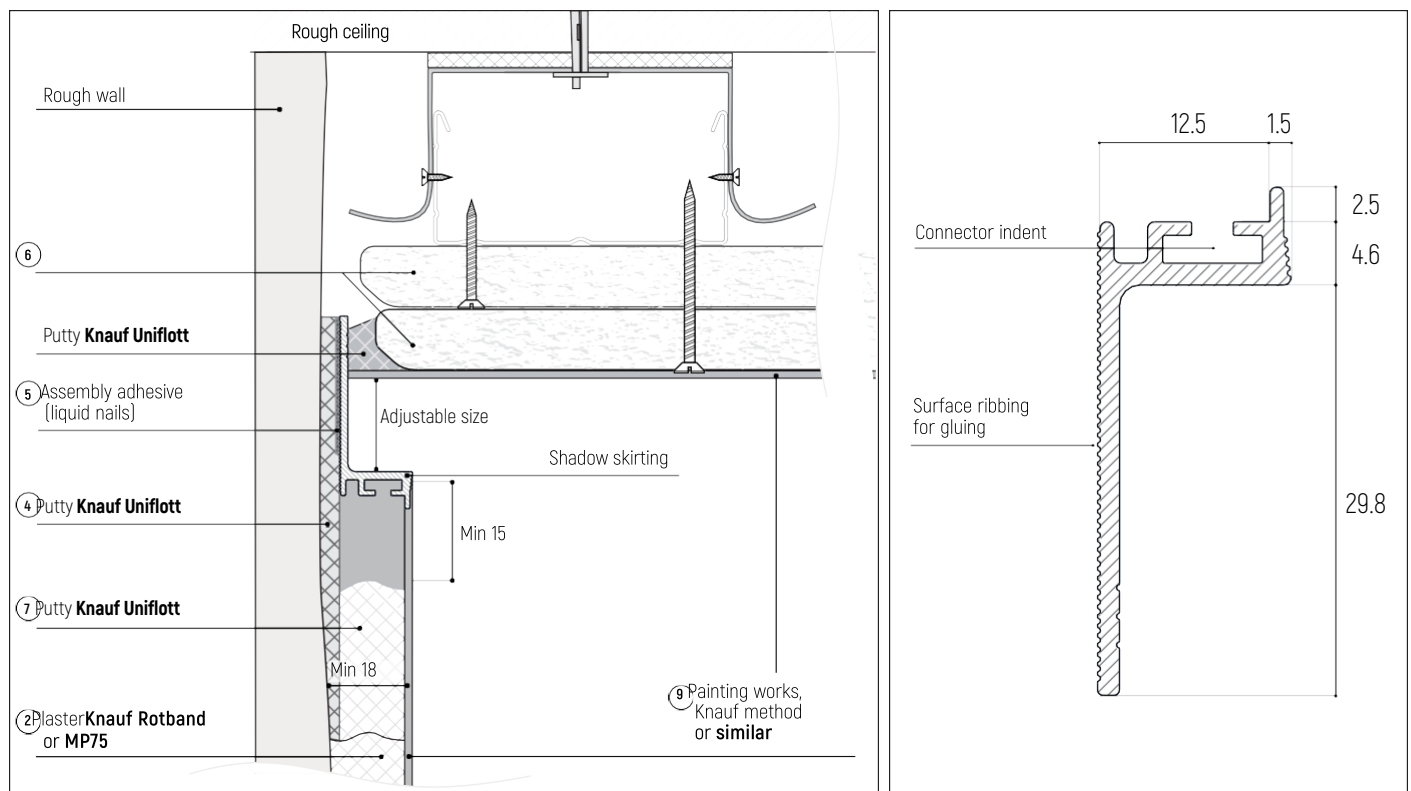
Section of KRAAB GIPPS shadow skirting board

SHADOW SKIRTING BOARD

For plastered walls - drywall ceiling attachment

Installation sequence:

- 1 Decide on the final level of the suspended ceiling.
- 2 Plaster the wall, leaving the plaster 66 mm off the finish level of the ceiling.
- 3 Wait till the plaster dries.
- 4 Smooth the resulting indent, using a template to install the shadow skirting board.
- 5 Assemble the shadow skirting board, using assembly adhesive (liquid nails).
- 6 Install a suspended ceiling, using KNAUF method.
- 7 Prime the gap between the plaster and the skirting board, using deep primer and putty with KNAUF-Uniflott or an alternative.
- 8 Protect the shadow skirting board gap, using a masking tape.
- 9 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)

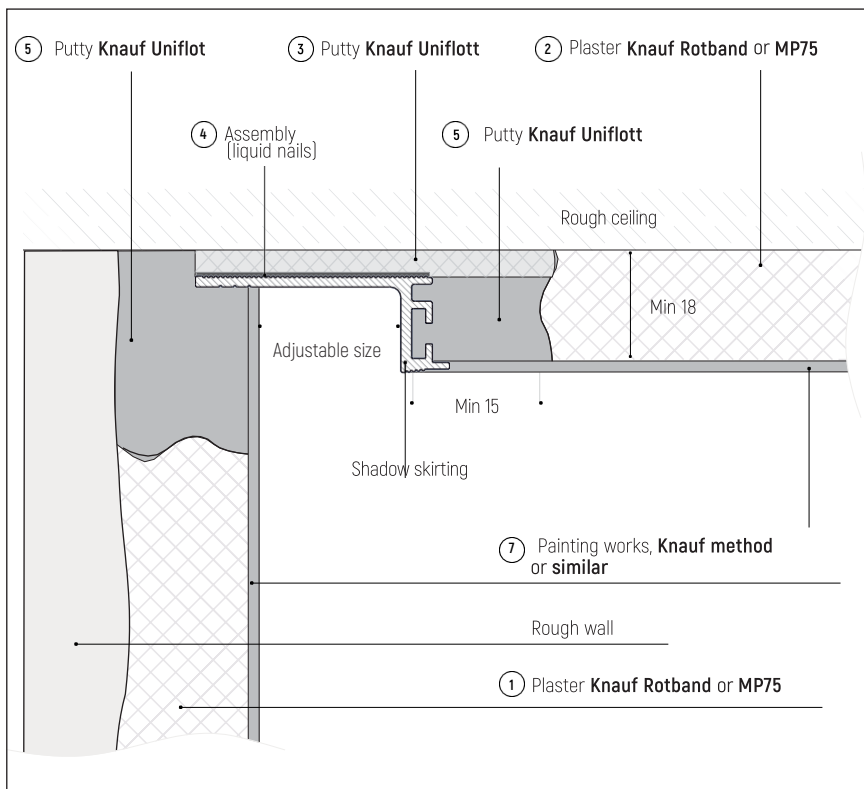
Section of KRAAB GIPPS shadow skirting board

SHADOW SKIRTING BOARD

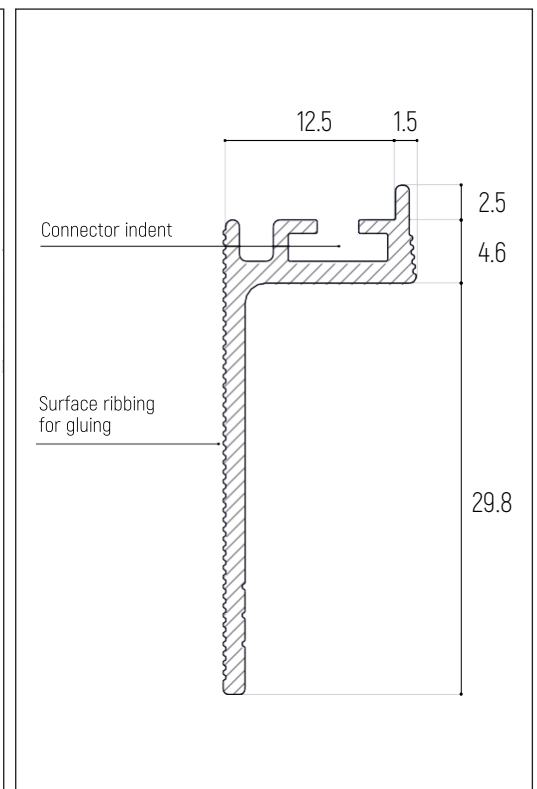
For plastered ceiling - plastered wall attachment

Installation sequence:

- 1 Plaster the ceiling without touching the ceiling.
- 2 Plaster the ceiling, leaving the plaster 60 mm off the wall.
- 3 Smooth the resulting indent, using a template to install the shadow skirting board.
- 4 Assemble the shadow skirting board, using assembly adhesive (liquid nails).
- 5 Prime the gap between the plaster and the skirting board, using deep primer and putty with KNAUF-Uniflott or an alternative.
- 6 Protect the shadow skirting board gap, using a masking tape.
- 7 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)



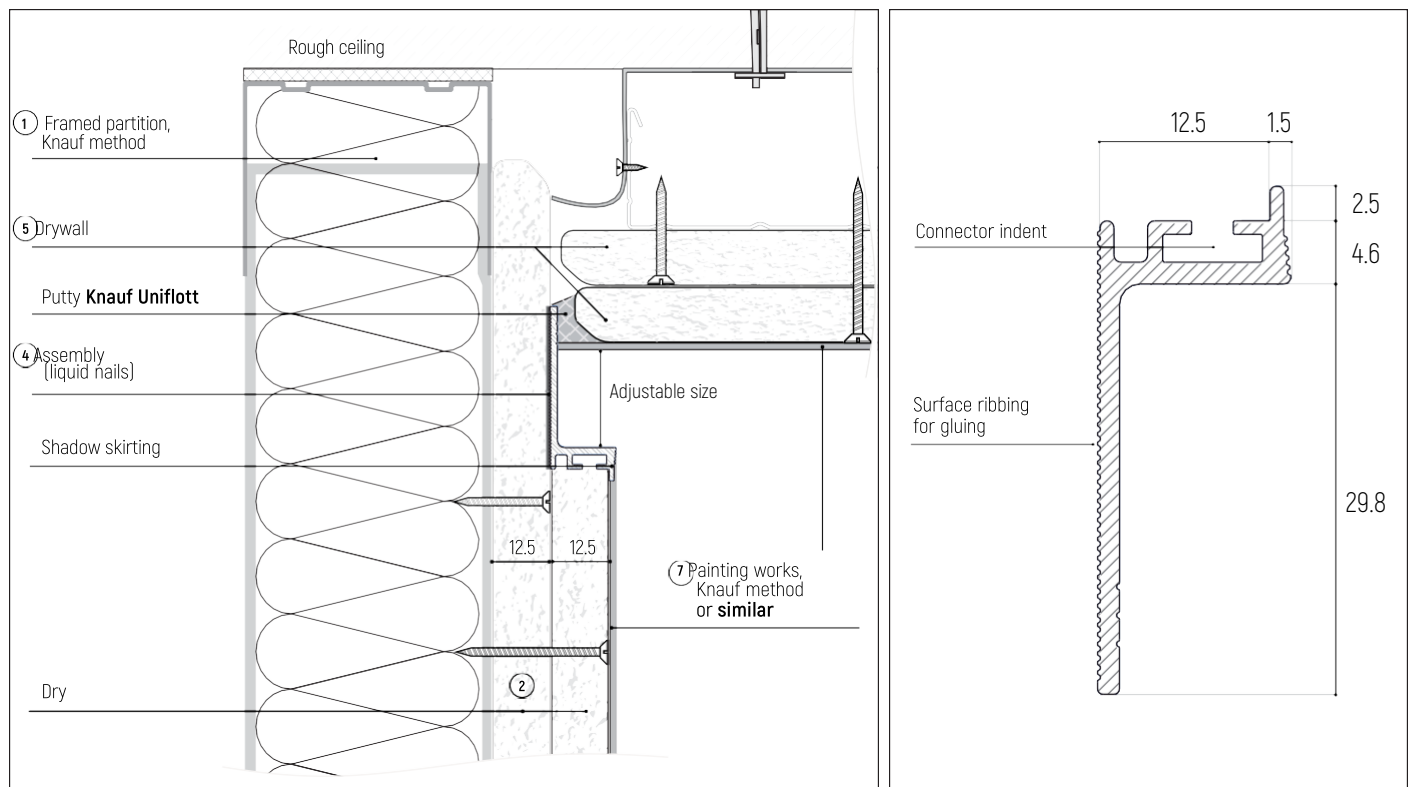
Section of KRAAB GIPPS shadow skirting board

SHADOW SKIRTING BOARD

For framed constructions - drywall ceiling attachment

Installation sequence:

- 1 Install a metal frame KNAUF.
- 2 Sheathe the frame with the first layer of drywall. Leave 10 mm till it gets to the ceiling. Seal built joints of the first drywall layer using putty KNAUF-Fugen, KNAUF-Uniflott or an alternative.
- 3 Decide on the final level of the suspended ceiling.
- 4 Assemble the shadow skirting board, using assembly adhesive (liquid nails).
- 5 Install a suspended ceiling, using KNAUF method.
- 6 Protect the shadow skirting board gap, using a masking tape.
- 7 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)

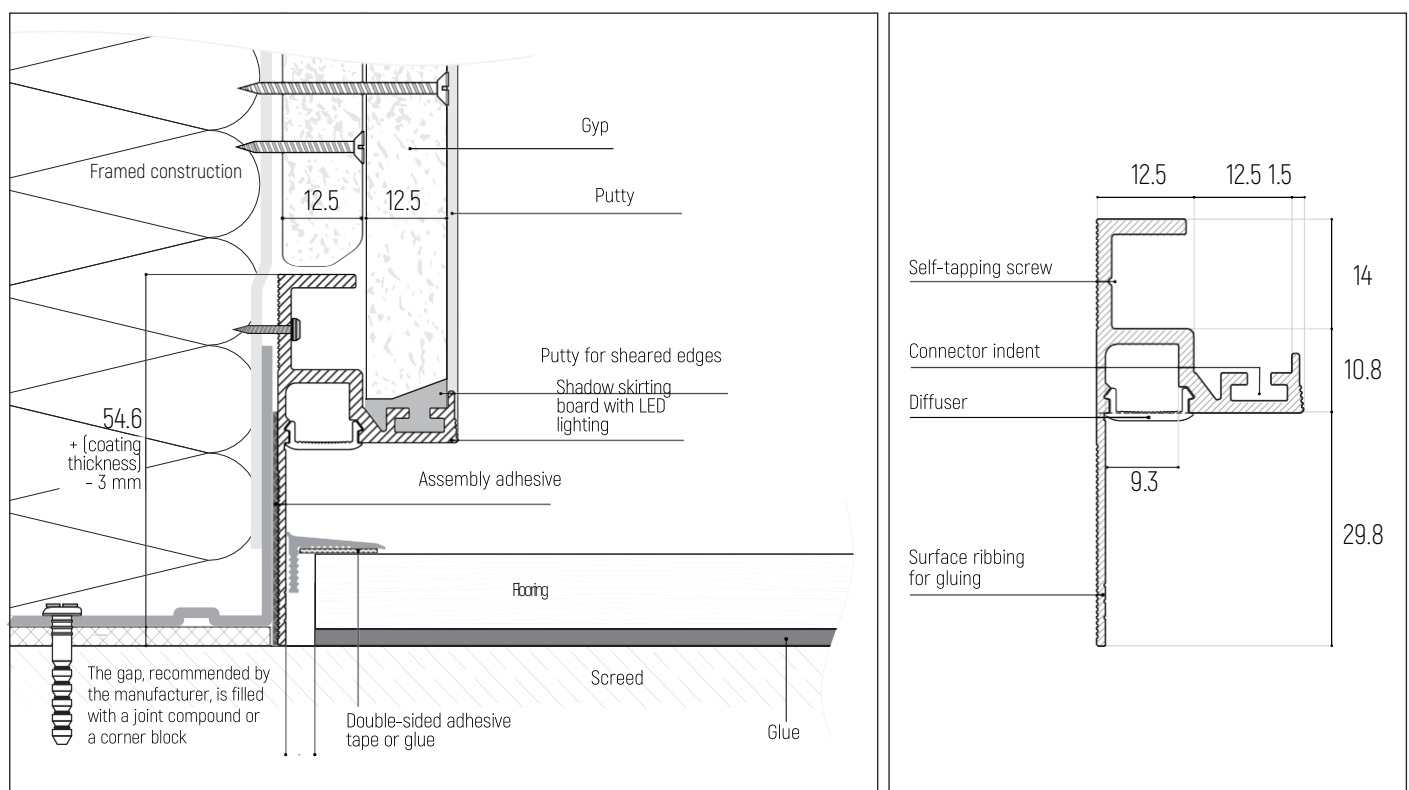
Section of KRAAB GIPPS shadow skirting board

SHADOW SKIRTING BOARD KRAAB GIPPS with LED lighting for framed

Installation by contact process of flooring. Performing fit-out works on finished flooring

Installation sequence:

- 1 You shall prepare the base for flooring before mounting the shadow skirting board with LED lighting .
- 2 You shall assemble the framed construction for a two-layer sheathing. You shall provide electrical wiring to the place where the LED strip is connected, given its power and length, if it is provided by the design.
- 3 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits and performed as neatly as possible for aesthetic reasons.
- 4 The tiling must be protected once completed. To perform it, you shall glue a masking tape along the installation perimeter of the shadow skirting board with LED lighting. It must be done in a way to be completely removed after fit-out works. Then, you shall lay a vapour-permeable waterproof membrane, a thick non-woven fabric and hardboard sheets. It is important to leave the masking tape open at a distance of 25-30 mm from the frame.
- 5 You shall make a hole of a 6-8 mm diameter in the place of LED strip future connection, before putting the skirting board to its design position. To get it, the diffuser shall be removed in advance. The hole shall not have edges that can damage the wire. The wires shall have sufficient thickness of insulation to pass safely through the hole.
- 6 The shadow skirting board has the ability to adjust the gap thanks to its design features. To get the minimum, it is installed in a way to touch the base. To get the maximum, it is lifted up in a way to make its lower part overlap the flooring by 3 mm.
- 7 The shadow skirting board with LED lighting is fixated to the uprights of the frame, using self-tapping screws screwed into the upper indent through the pre-made hole. **ATTENTION!** You shall fasten the self-tapping screws in a way that they do not deform the skirting board. Assembly adhesive, suitable for gluing powder-coated aluminum and galvanized steel shall be pre-degreased.
- 8 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 9 Each layer of the sheathing shall be mounted with a gap of 2-3 mm from the skirting board. If you use a plaster building board, you shall remove a sloped edge at $\frac{2}{3}$ of the depth at an angle of 22.5° along its end.
- 10 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 25 mm thickness and a height equal to the chosen gap.
- 11 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board with LED lighting is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
- 12 Once fit-outs works are completed, the paint plug and the masking tape are removed. The LED strip is connected and glued. The diffuser is installed.
- 13 You should use joint materials recommended by the flooring manufacturer to fill the gap between the skirting board and the flooring. Generally, they include various compounds, cork compensators, etc.
- 14 You can also use a corner block, installed to the decorative tiling in two ways. Utilizing a double-sided adhesive tape: the tape is glued to the wide side of the corner and it is cut to the width of the shelf. Or utilizing glue, which is applied to the wide side of the corner.



Installation example. Vertical incision (wall-floor)

KRAAB GIPPS section (shadow skirting board with a diffuser)

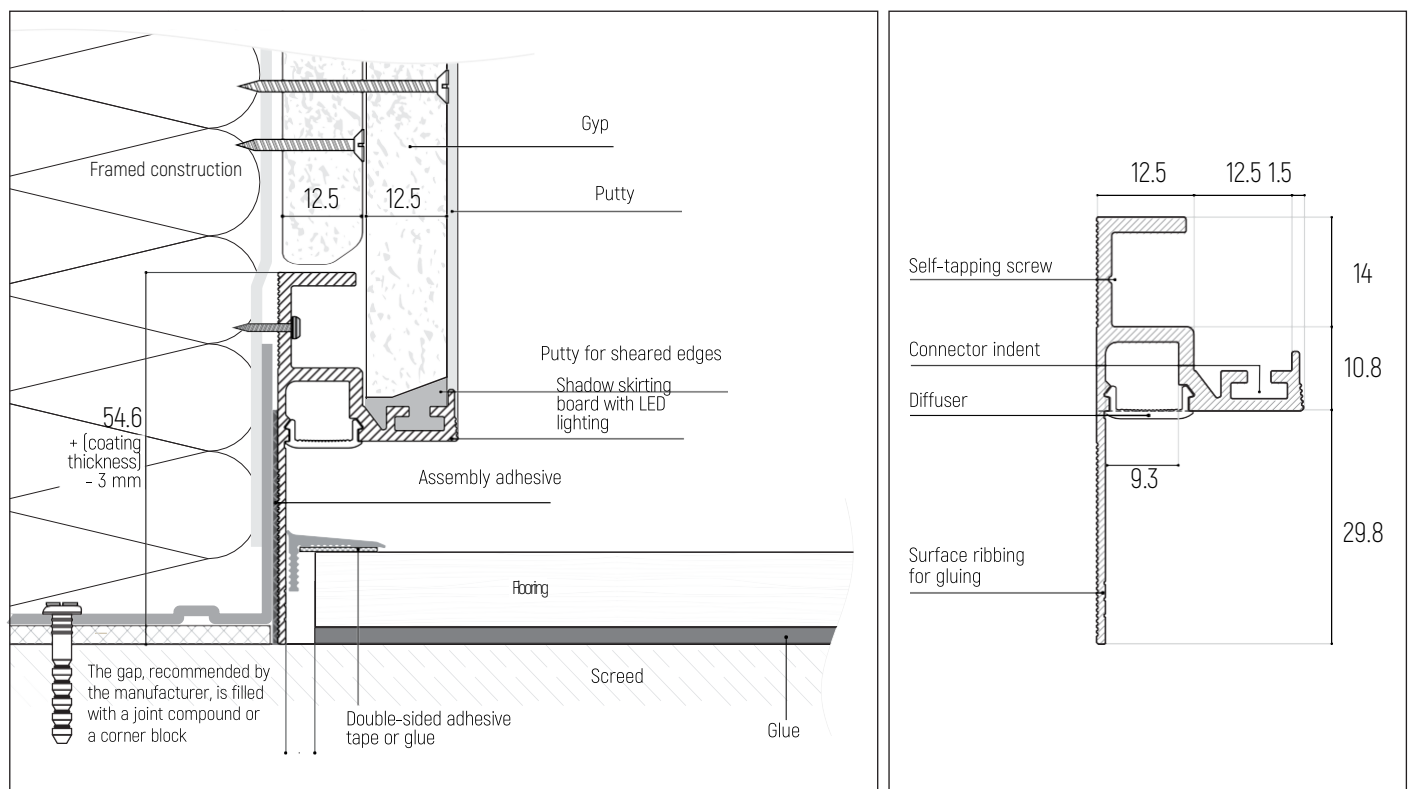
SHADOW SKIRTING BOARD KRAAB GIPPS with LED lighting for framed

Installation by contact process of flooring. Performing flooring after fit-out works

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before mounting the shadow skirting board with LED lighting .
- 2 You shall assemble the framed construction for a two-layer sheathing. You shall provide electrical wiring to the place where the LED strip is connected, given its power and length, if it is provided by the design.
- 3 The shadow skirting board with LED lighting has the ability to adjust the gap thanks to its design features. To get the minimum, it is installed in a way to touch the base. To get the maximum, it is lifted up in a way to make its lower part overlap the flooring by 3 mm.
- 4 You shall make a hole of a 6-8 mm diameter in the place of LED strip future connection, before putting the skirting board to its design position. To get it, the diffuser shall be removed in advance. The hole shall not have edges that can damage the wire. The wires shall have sufficient thickness of insulation to pass safely through the hole.
- 5 The shadow skirting board with LED lighting is fixated to the uprights of the frame, using self-tapping screws screwed into the upper indent through the pre-made hole. **ATTENTION!** You shall fasten the self-tapping screws in a way that they do not deform the skirting board. Assembly adhesive, suitable for gluing powder-coated aluminum and galvanized steel shall be pre-degreased.
- 6 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 7 Each layer of the sheathing shall be mounted with a gap of 2-3 mm from the skirting board. If you use a plaster building board, you shall remove a sloped edge at 2/3 of the depth at an angle of 22.5° along its end.
- 8 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 25 mm thickness and a height equal to the gap chosen during installation.
- 9 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
- 10 Before laying the floor covering, the paint plug should be removed and the visible vertical part of the skirting board should be sealed with a paint tape in a way to be completely removed after floor covering works.
- 11 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits and performed as neatly as possible for aesthetic reasons.
- 12 Once fit-outs works are completed, the masking tape is removed. The LED strip is connected and glued. The diffuser is installed.
- 13 You should use joint materials recommended by the flooring manufacturer to fill the gap between the skirting board and the flooring. Generally, they include various compounds, cork compensators, etc.
- 14 You can also use a corner block, installed to the decorative tiling in two ways. Utilizing a double-sided adhesive tape: the tape is glued to the wide side of the corner and it is cut to the width of the shelf. Or utilizing glue, which is applied to the wide side of the corner.



Installation example. Vertical incision (wall-floor)

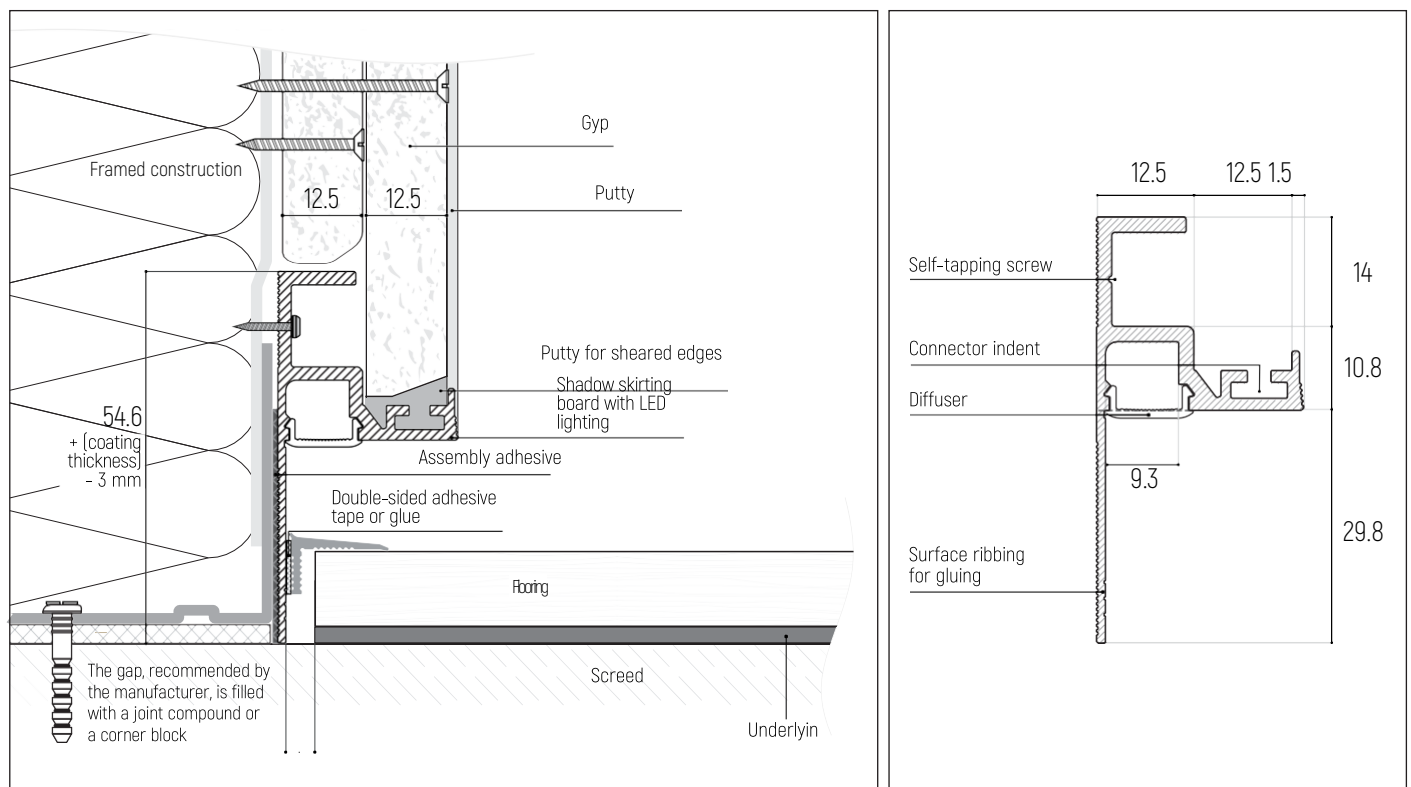
KRAAB GIPPS section (shadow skirting board with a diffuser)

SHADOW SKIRTING BOARD KRAAB GIPPS with LED lighting for framed

Installation by floating process of flooring. Performing fit-out works on finished flooring

Installation sequence:

- 1 You shall prepare the base for flooring before mounting the shadow skirting board with LED lighting .
- 2 You shall assemble the framed construction for a two-layer sheathing. You shall provide electrical wiring to the place where the LED strip is connected, given its power and length, if it is provided by the design.
- 3 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits and performed as neatly as possible for aesthetic reasons.
- 4 The tiling must be protected once completed. To perform it, you shall glue a masking tape along the installation perimeter of the shadow skirting board with LED lighting. It must be done in a way to be completely removed after fit-out works. Then, you shall lay a vapour-permeable waterproof membrane, a thick non-woven fabric and hardboard sheets. It is important to leave the masking tape open at a distance of 25-30 mm from the frame.
- 5 You shall make a hole of a 6-8 mm diameter in the place of LED strip future connection, before putting the skirting board to its design position. To get it, the diffuser shall be removed in advance. The hole shall not have edges that can damage the wire. The wires shall have sufficient thickness of insulation to pass safely through the hole.
- 6 The shadow skirting board has the ability to adjust the gap thanks to its design features. To get the minimum, it is installed in a way to touch the base. To get the maximum, it is lifted up in a way to make its lower part overlap the flooring by 3 mm.
- 7 The shadow skirting board with LED lighting is fixated to the uprights of the frame, using self-tapping screws screwed into the upper indent through the pre-made hole. **ATTENTION!** You shall fasten the self-tapping screws in a way that they do not deform the skirting board. Assembly adhesive, suitable for gluing powder-coated aluminum and galvanized steel shall be pre-degreased.
- 8 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 9 Each layer of the sheathing shall be mounted with a gap of 2-3 mm from the skirting board. If you use a plaster building board, you shall remove a sloped edge at 2/3 of the depth at an angle of 22.5° along its end.
- 10 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 25 mm thickness and a height equal to the chosen gap.
- 11 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board with LED lighting is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
- 12 Once fit-outs works are completed, the paint plug and the masking tape are removed. The LED strip is connected and glued. The diffuser is installed.
- 13 You should use joint materials recommended by the flooring manufacturer to fill the gap between the skirting board and the flooring. Generally, they include various compounds, cork compensators, etc.
- 14 You can also use a corner block which is installed to the shadow skirting board, using a foamed double-sided adhesive tape of 0.8-1 mm. To perform it, the tape is glued to the small side of the corner block and it is cut to the width of the shelf. Then, the corner block is laid on the flooring and pressed against the shadow skirting board.



Installation example. Vertical incision (wall-floor)

KRAAB GIPPS section (shadow skirting board with a diffuser)

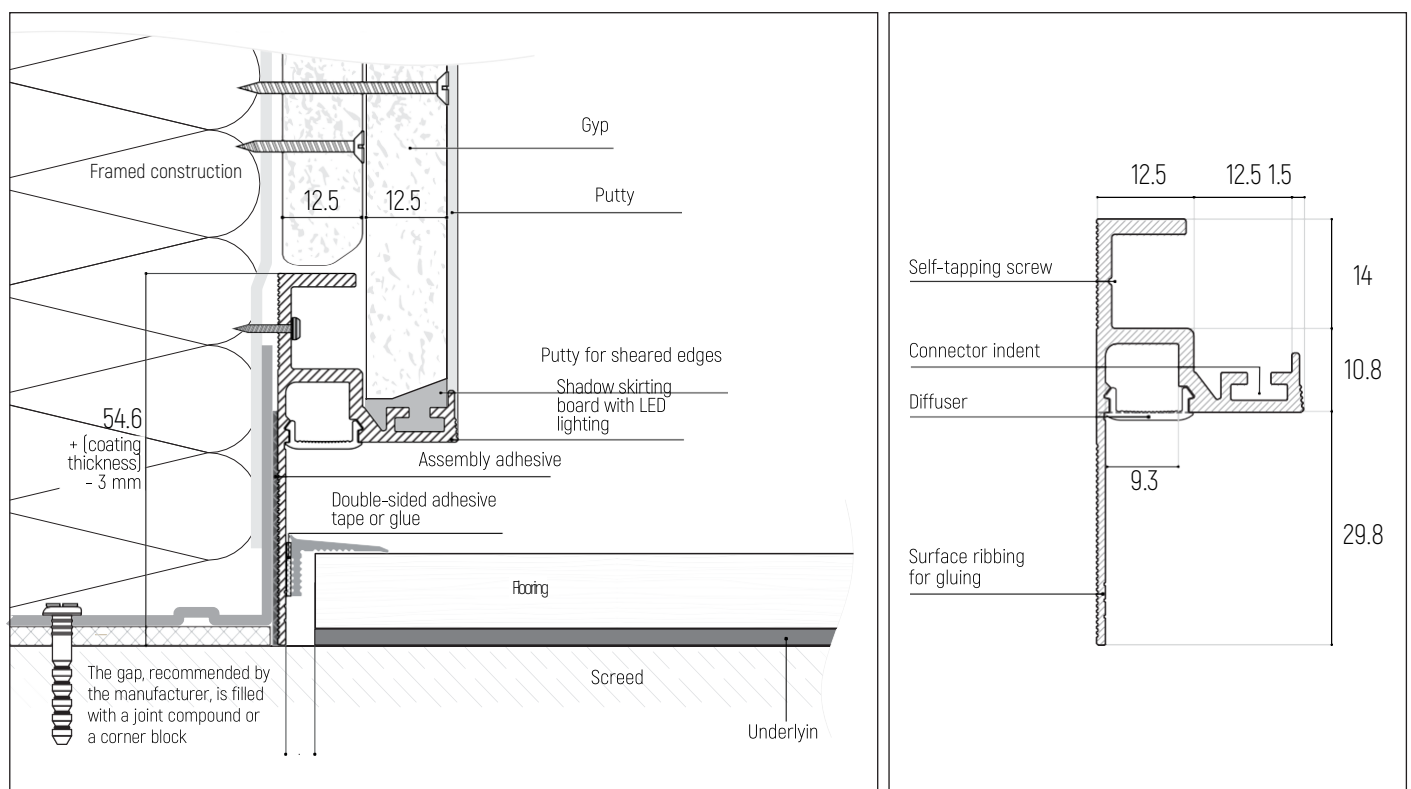
SHADOW SKIRTING BOARD KRAAB GIPPS with LED lighting for framed

Installation by floating process of flooring. Performing flooring after fit-out works

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before mounting the shadow skirting board with LED lighting .
- 2 You shall assemble the framed construction for a two-layer sheathing. You shall provide electrical wiring to the place where the LED strip is connected, given its power and length, if it is provided by the design.
- 3 The shadow skirting board with LED lighting has the ability to adjust the gap thanks to its design features. To get the minimum, it is installed in a way to touch the base. To get the maximum, it is lifted up in a way to make its lower part overlap the flooring by 3 mm.
- 4 You shall make a hole of a 6-8 mm diameter in the place of LED strip future connection, before putting the skirting board to its design position. To get it, the diffuser shall be removed in advance. The hole shall not have edges that can damage the wire. The wires shall have sufficient thickness of insulation to pass safely through the hole.
- 5 The shadow skirting board with LED lighting is fixated to the uprights of the frame, using self-tapping screws screwed into the upper indent through the pre-made hole. **ATTENTION!** You shall fasten the self-tapping screws in a way that they do not deform the skirting board. Assembly adhesive, suitable for gluing powder-coated aluminum and galvanized steel shall be pre-degreased.
- 6 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 7 Each layer of the sheathing shall be mounted with a gap of 2-3 mm from the skirting board. If you use a plaster building board, you shall remove a sloped edge at 2/3 of the depth at an angle of 22.5° along its end.
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- 9 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
- 10 Before laying the floor covering, the paint plug should be removed and the visible vertical part of the skirting board should be sealed with a paint tape in a way to be completely removed after floor covering works.
- 11 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits and performed as neatly as possible for aesthetic reasons.
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- 14 You can also use a corner block which is installed to the shadow skirting board, using a foamed double-sided adhesive tape of 0.8-1 mm. To perform it, the tape is glued to the small side of the corner block and it is cut to the width of the shelf. Then, the corner block is laid on the flooring and pressed against the shadow skirting board.



Installation example. Vertical incision (wall-floor)

KRAAB GIPPS section (shadow skirting board with a diffuser)

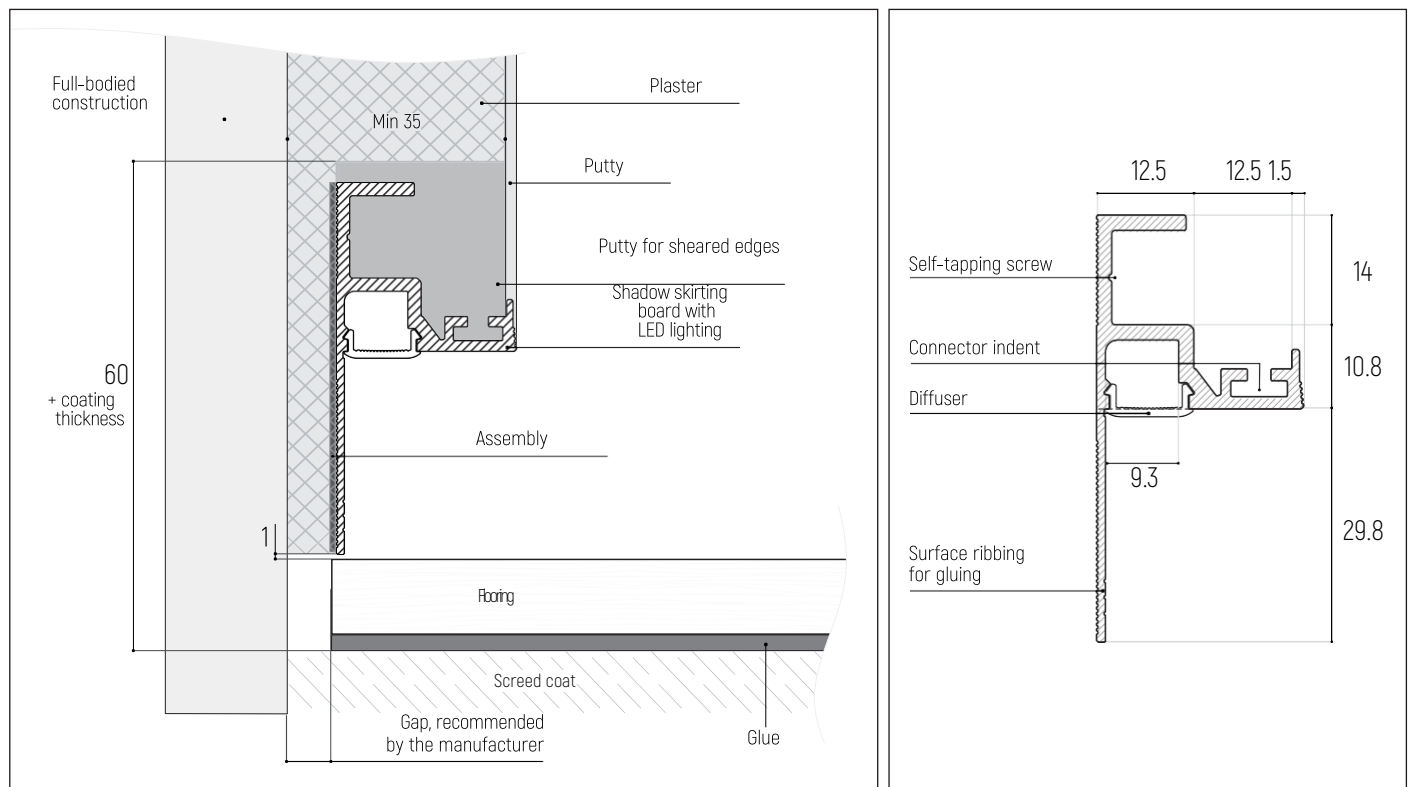
SHADOW SKIRTING BOARD KRAAB GIPPS with LED lighting for

Installation by contact process of flooring. Performing fit-out works on finished flooring

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before mounting the shadow skirting board with LED lighting .
- 2 The wall is not supposed to be completely plastered. There has to remain a section at the bottom junction with the floor. The section is of a height of at least 60 mm + the thickness of the floor covering of a depth of at least 35 mm.
- 3 The electrical wiring shall be provided to the LED strip connection place, given its power and length, if it is provided by the design.
- 4 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits for aesthetic reasons.
- 5 The tiling must be protected once completed. To perform it, a wear-resistant masking tape is glued along the installation perimeter of the shadow skirting board with LED lighting. It is glued with a small turnout on the wall of 5-7 mm in a way to be completely removed after fit-out works. Then, you shall lay a vapour-permeable waterproof membrane, a thick non-woven fabric and hardboard sheets. It is important to leave the masking tape open at a distance of 45-50 mm from the wall.
- 6 Niche construction for mounting the shadow skirting board with LED lighting is carried out using an original or a homemade template, which can be cut according to drawings. Plastering materials and plastering production methods are used. The gap between the floor and the wall is filled with a mixture. Then, the niche is formed by leading the template along the wall. The floor or the previously plastered wall are used as a support.
- 7 **ATTENTION!** It is important to ensure that there is not direct contact between the materials in order to form the niche and the flooring. To perform it, you should use a trowel to separate the niche and the flooring on the floor. Or you should work on a separating underlying base. For example, a strip of fiberboard laid on the floor, which is removed when the mixture hardens.
- 8 You shall make a hole of a 6-8 mm diameter in the place of LED lighting future connection, before putting the skirting board to its design position. To get it, the diffuser shall be removed in advance. The hole shall not have edges that can damage the wire. The wires shall have sufficient thickness of insulation to pass safely through the hole.
- 9 The shadow skirting board is fixated using assembly adhesive, suitable for gluing powder-coated aluminum and wall material with a gap of 0.8-1 mm from the clean floor.
- 10 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 11 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 25 mm thickness and a height equal to 30 mm.
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- 15 You can also use a corner block, installed to the decorative tiling in two ways. Utilizing a double-sided adhesive tape: the tape is glued to the wide side of the corner and it is cut to the width of the shelf. Or utilizing glue, which is applied to the wide side of the corner.



Installation example. Vertical incision (wall-floor)

KRAAB GIPPS section (shadow skirting board with a diffuser)

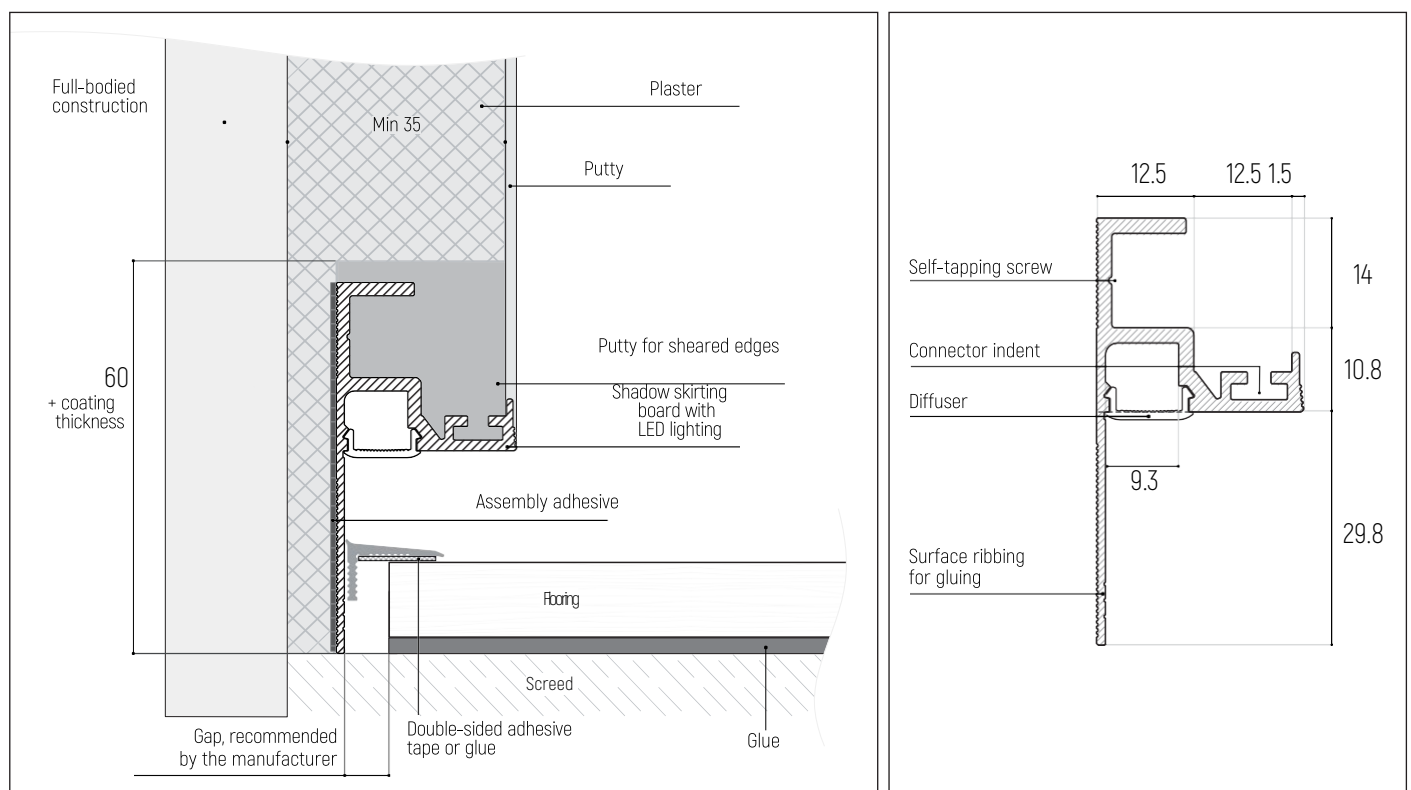
SHADOW SKIRTING BOARD KRAAB GIPPS with LED lighting for

Installation by contact process of flooring. Performing flooring after fit-out works

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Installation sequence:

- 1 You shall prepare the base for flooring before mounting the shadow skirting board with LED lighting .
- 2 The wall is not supposed to be completely plastered. There has to remain a section at the bottom junction with the floor. The section is of a height of at least 60 mm + the thickness of the floor covering of a depth of at least 35 mm.
- 3 The electrical wiring shall be provided to the LED strip connection place, given its power and length, if it is provided by the design.
- 4 Niche construction for mounting the shadow skirting board with LED lighting is carried out using an original or a homemade template, which can be cut according to drawings. Plastering materials and plastering production methods are used. The gap between the floor and the wall is filled with a mixture. Then, the niche is formed by leading the template along the wall. The floor and the previously plastered wall are used as a support. To get the minimum gap point, the template is led without touching the floor. To get the maximum gap point, the template is led with a shift equal the thickness of the floor covering.
- 5 You shall make a hole of a 6-8 mm diameter in the place of LED lighting future connection, before putting the skirting board to its design position. To get it, the diffuser shall be removed in advance. The hole shall not have edges that can damage the wire. The wires shall have sufficient thickness of insulation to pass safely through the hole.
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- 7 The shadow skirting board with LED lighting is fixated with assembly adhesive, suitable for gluing powder-coated aluminum and wall material.
- 8 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 9 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 25 mm thickness and a height equal to the gap chosen during installation.
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- 11 Before laying the floor covering, the paint plug should be removed and the visible vertical part of the skirting board should be sealed with a paint tape in a way to be completely removed after floor covering works.
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Installation example. Vertical incision (wall-floor)

KRAAB GIPPS section (shadow skirting board with a diffuser)

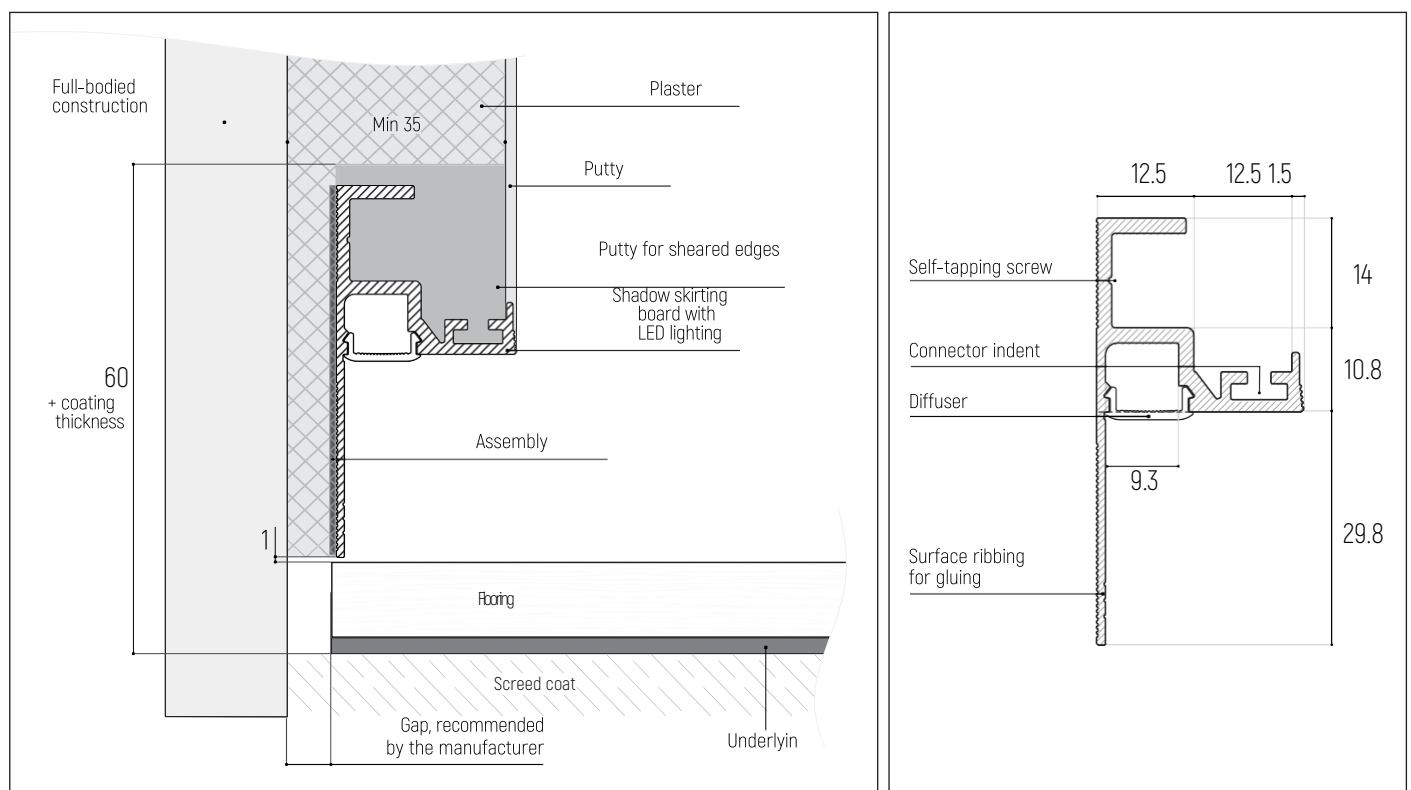
SHADOW SKIRTING BOARD KRAAB GIPPS with LED lighting for

Installation by contact process of flooring. Performing fit-out works on finished flooring

ATTENTION! A certain lead angle is required to connect the locks of built-up floor coverings! Take the following into account when choosing the method of laying: the gap height of the shadow skirting board may not be enough!

Installation sequence:

- 1 You shall prepare the base for flooring before mounting the shadow skirting board with LED lighting .
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- 9 The shadow skirting board is fixated using assembly adhesive, suitable for gluing powder-coated aluminum and wall material with a gap of 0.8-1 mm from the clean floor.
- 10 An angle or a straight connector is used if the skirting board turns or docks straightly.
- 11 It is necessary to protect the inside part of the skirting board with a paint plug before painting works. You can use a strip of extruded foam polystyrene of 25 mm thickness and a height equal to 30 mm.
- 12 Further surface finishing is carried out according to the chosen painting method. The joint between the sheathing and the shadow skirting board with LED lighting is sealed according to the work execution with sheared or installation edge lines of the sheathing material.
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Installation example. Vertical incision (wall-floor)

KRAAB GIPPS section (shadow skirting board with a diffuser)

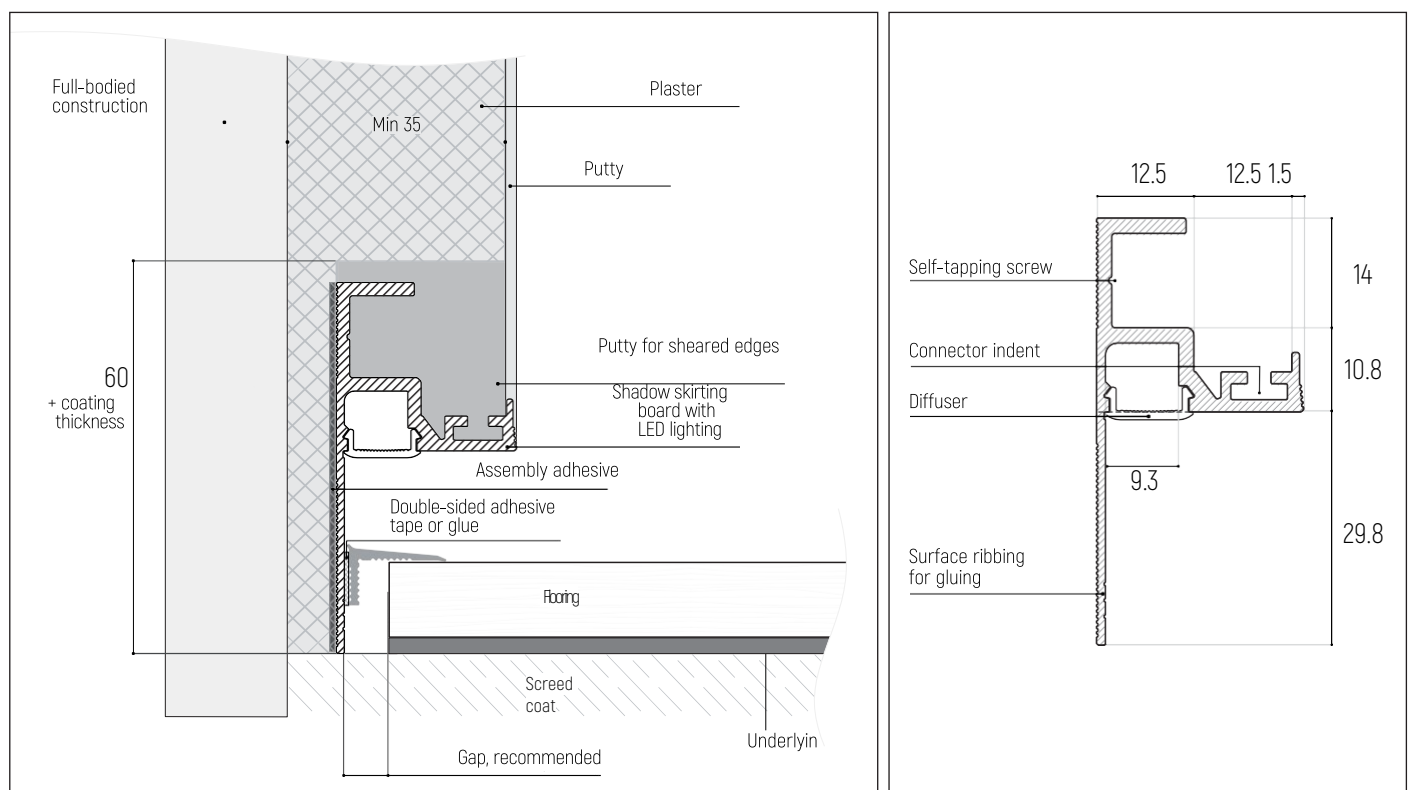
SHADOW SKIRTING BOARD KRAAB GIPPS with LED lighting for

Installation by floating process of flooring. Performing flooring after fit-out works

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- 12 You should respect the deformation gap along the installation perimeter, which is recommended by the manufacturer when flooring. It should be reduced as much as possible within tolerable limits and performed as neatly as possible for aesthetic reasons.
- 13 Once fit-outs works are completed, the paint plug and the masking tape are removed. The LED strip is connected and glued. The diffuser is installed.
- 14 You should use joint materials recommended by the flooring manufacturer to fill the gap between the skirting board and the flooring. Generally, they include various compounds, cork compensators, etc.
- 15 You can also use a corner block which is installed to the shadow skirting board, using a foamed double-sided adhesive tape of 0.8-1 mm. To perform it, the tape is glued to the small side of the corner block and it is cut to the width of the shelf. Then, the corner block is laid on the flooring and pressed against the shadow skirting board.



Installation example. Vertical incision (wall-floor)

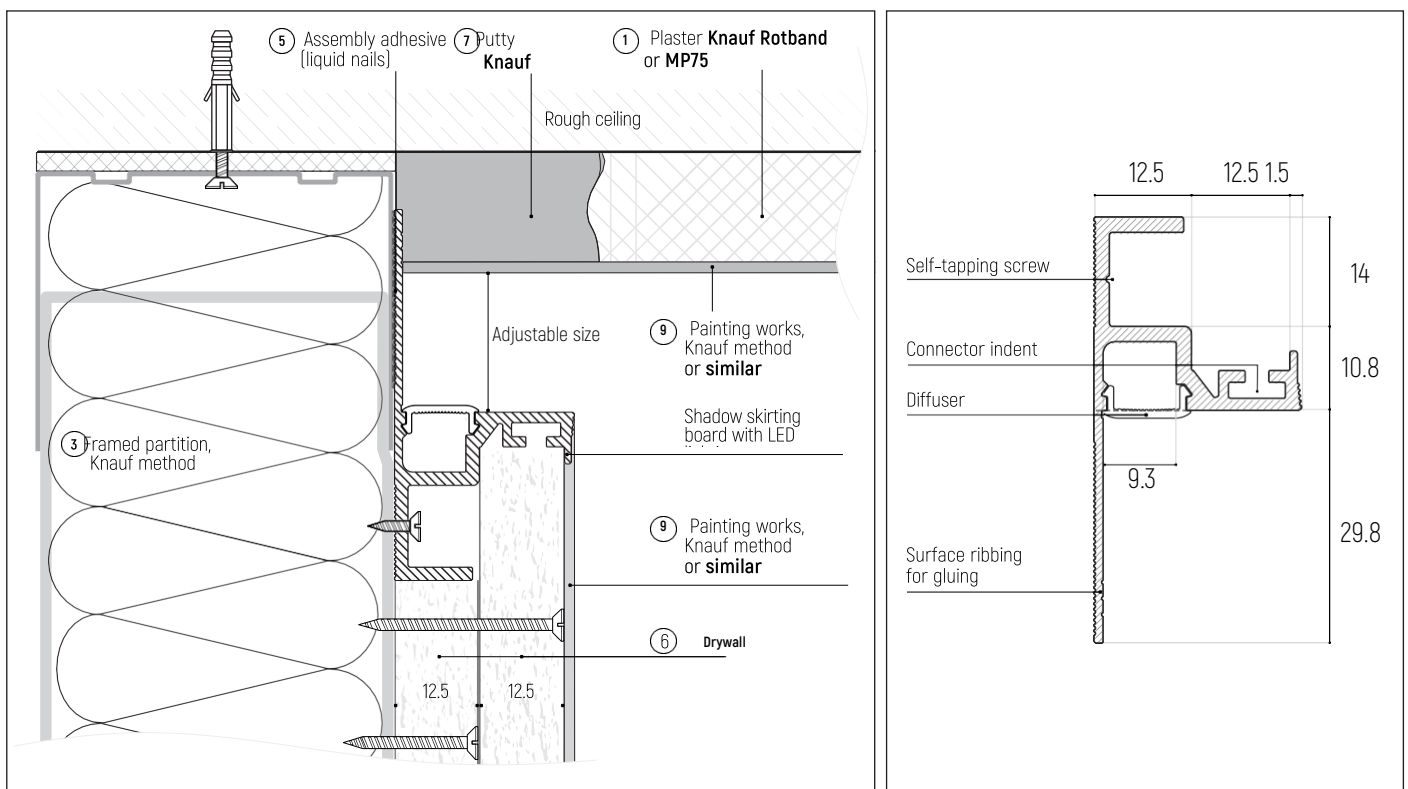
KRAAB GIPPS section (shadow skirting board with a diffuser)

SHADOW SKIRTING BOARD KRAAB GIPPS WITH A

For framed constructions - plastered ceiling attachment

Installation sequence:

- 1 Plaster the ceiling without touching the wall.
- 2 Wait till the plaster dries.
- 3 Install a metal frame KNAUF.
- 4 You shall decide on the LED strip layout before mounting the skirting board. It is recommended to connect the strip on both sides. It is recommended not to bend it but to cut and dock at the inner and outer corners. You shall provide the holes in the skirting board to connect and maintain the strip where the strip is docked.
- 5 Mount the shadow skirting board to assembly adhesive (liquid nails). As soon as the glue is hardens, fixate the shadow skirting board with self-tapping screws additionally.
- 6 Sheathe the frame with the first layer of drywall. Leave 10 mm till it gets to the skirting board. Seal built joints of the first drywall layer using putty KNAUF-Fugen, KNAUF-Uniflott or an alternative. Fixate the second drywall layer concurrently putting drywall sheets on the shadow skirting board slot. If the sheathing is horizontal, it is necessary to cut the built edge on the drywall.
- 7 Prime the gap between the plaster and the skirting board, using deep primer and putty with KNAUF-Uniflott or an alternative.
- 8 Protect the shadow skirting board gap, using a masking tape.
- 9 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)

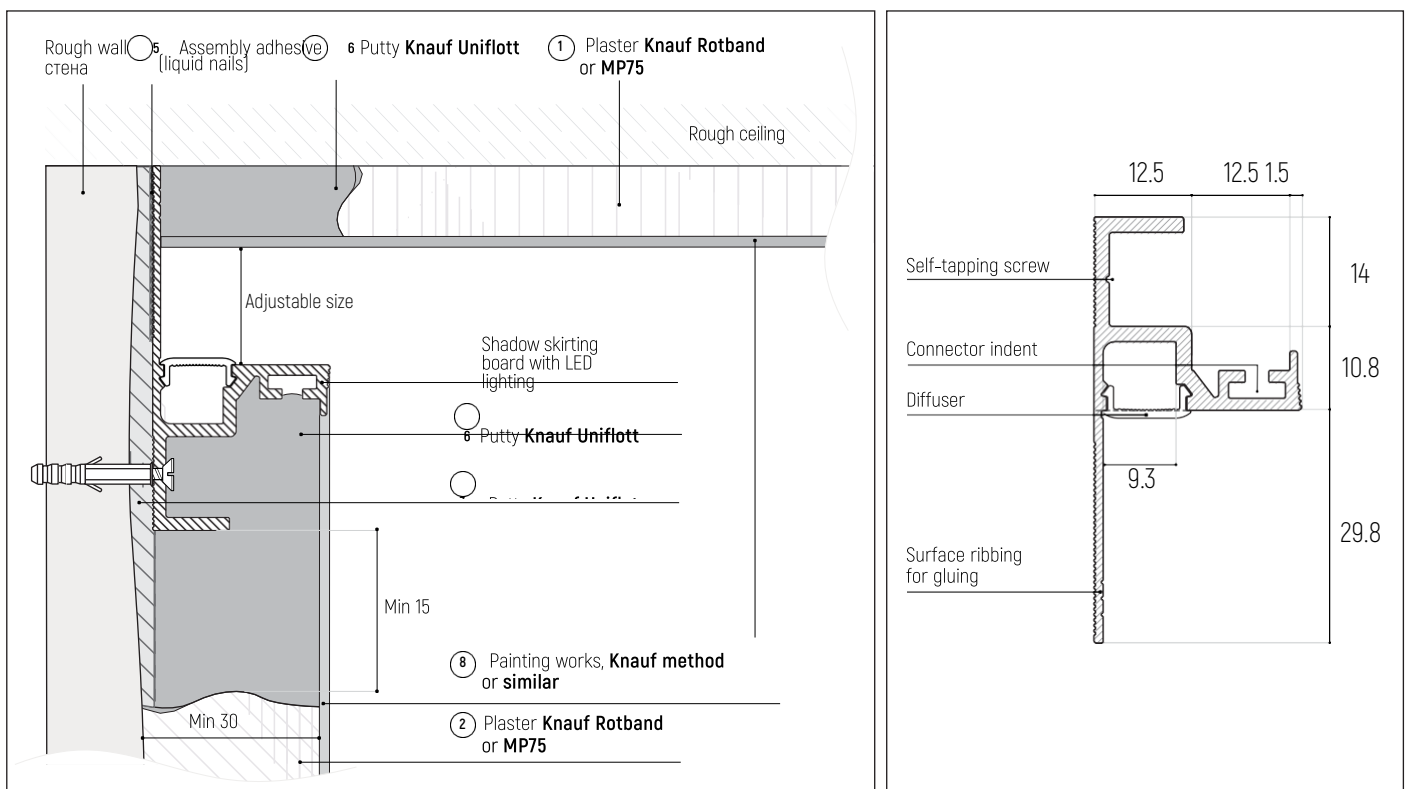
KRAAB GIPPS section (shadow skirting board with a diffuser)

SHADOW SKIRTING BOARD KRAAB GIPPS WITH A

For plastered walls - plastered ceiling attachment

Installation sequence:

- 1 Plaster the ceiling without touching the wall.
- 2 Plaster the wall, leaving the plaster 80 mm off the finish level of the ceiling.
- 3 Smooth the resulting indent, using a template to install the shadow skirting board.
- 4 You shall decide on the LED strip layout before mounting the skirting board. It is recommended to connect the strip on both sides. It is recommended not to bend it but to cut and dock at the inner and outer corners. You shall provide the holes in the skirting board to connect and maintain the strip where the strip is docked.
- 5 Mount the shadow skirting board with LED lighting to assembly adhesive (liquid nails). As soon as the glue is hardens, fixate the shadow skirting board with self-tapping screws additionally.
- 6 Prime the gap between the plaster and the skirting board, using deep primer and putty with KNAUF-Uniflott or an alternative.
- 7 Protect the shadow skirting board gap, using a masking tape.
- 8 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)

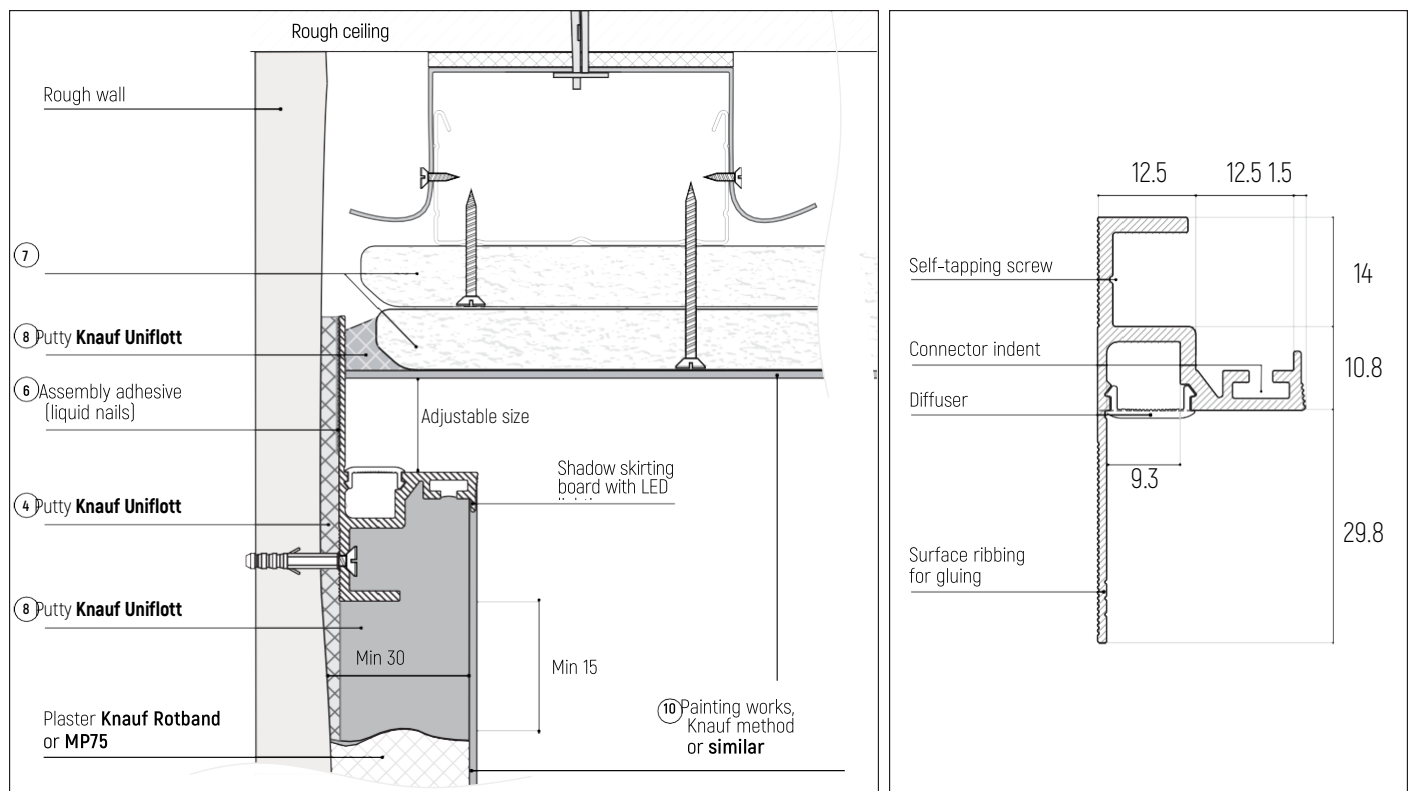
KRAAB GIPPS section (shadow skirting board with a diffuser)

SHADOW SKIRTING BOARD KRAAB GIPPS WITH A

For plastered walls - drywall ceiling attachment

Installation sequence:

- 1 Decide on the final level of the suspended ceiling.
- 2 Plaster the wall, leaving the plaster 80 mm off the finish level of the ceiling.
- 3 Wait till the plaster dries.
- 4 Smooth the resulting indent, using a template to install the shadow skirting board.
- 5 You shall decide on the LED strip layout before mounting the skirting board. It is recommended to connect the strip on both sides. It is recommended not to bend it but to cut and dock at the inner and outer corners. You shall provide the holes in the skirting board to connect and maintain the strip where the strip is docked.
- 6 Mount the shadow skirting board to assembly adhesive (liquid nails). As soon as the glue is hardens, fixate the shadow skirting board with self-tapping screws additionally.
- 7 Install a suspended ceiling, using KNAUF method.
- 8 Prime the gap between the plaster and the skirting board, using deep primer and putty with KNAUF-Uniflott or an alternative.
- 9 Protect the shadow skirting board gap, using a masking tape.
- 10 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)

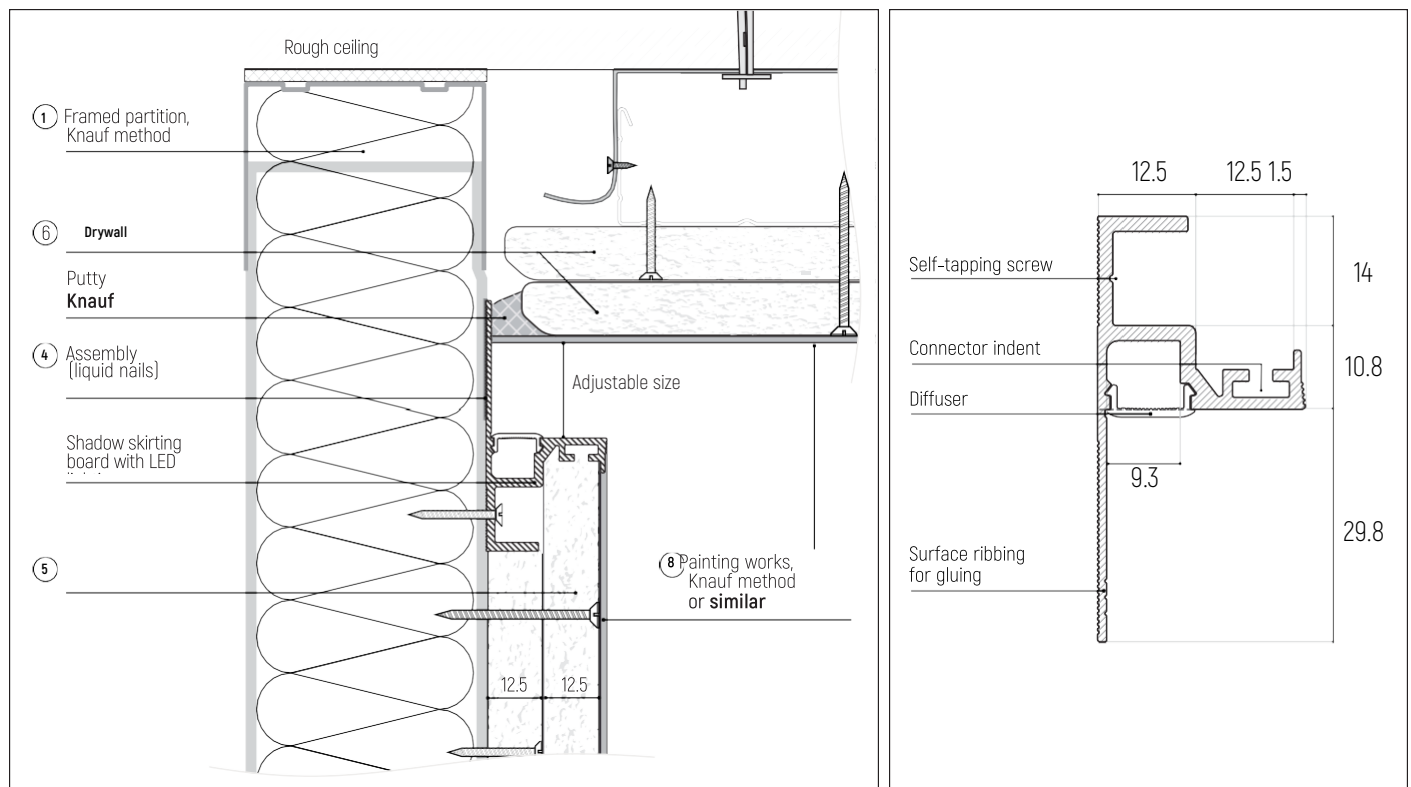
KRAAB GIPPS section (shadow skirting board with a diffuser)

SHADOW SKIRTING BOARD KRAAB GIPPS WITH A

For framed constructions - drywall ceiling attachment

Installation sequence:

- 1 Install a metal frame KNAUF.
- 2 You shall decide on the LED strip layout before mounting the skirting board. It is recommended to connect the strip on both sides. It is recommended not to bend it but to cut and dock at the inner and outer corners. You shall provide the holes in the skirting board to connect and maintain the strip where the strip is docked.
- 3 Decide on the final level of the suspended ceiling.
- 4 Mount the shadow skirting board to assembly adhesive (liquid nails). As soon as the glue is hardens, fixate the shadow skirting board with self-tapping screws additionally.
- 5 Sheathe the frame with the first layer of drywall. Leave 10 mm till it gets to the skirting board. Seal built joints of the first drywall layer using putty KNAUF-Fugen, KNAUF-Uniflott or an alternative. Fixate the second drywall layer concurrently putting drywall sheets on the shadow skirting board slot. If the sheathing is horizontal, it is necessary to cut the built edge on the drywall.
- 6 Install a suspended ceiling, using KNAUF method.
- 7 Protect the shadow skirting board gap, using a masking tape.
- 8 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical incision (wall-floor)

KRAAB GIPPS section (shadow skirting board with a diffuser)

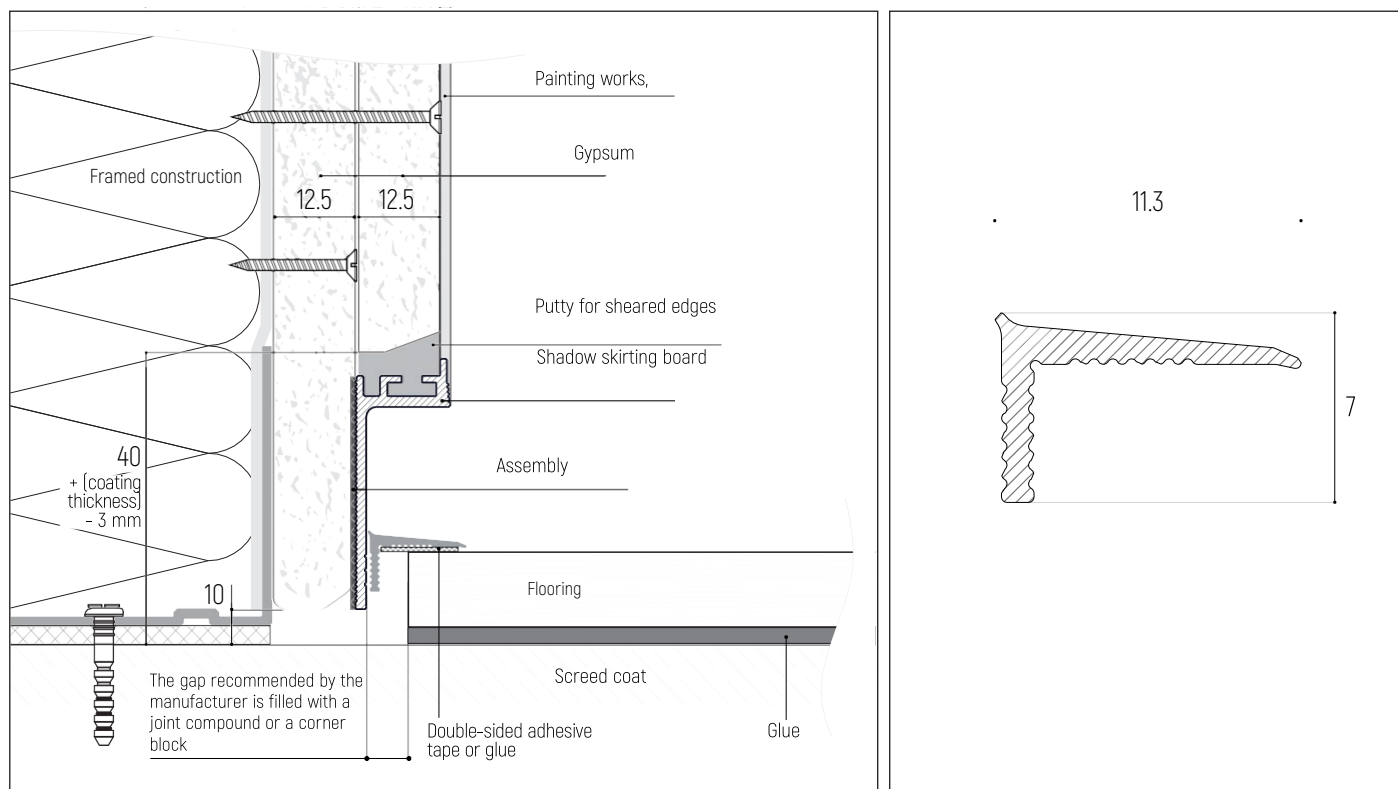
CORNER BLOCK 11.3*7 FOR SHADOW

Installation by the contact method of flooring (tiling, engineering board, adhesive quartz vinyl, etc.)

The corner block is mounted to the decorative floor lining in two ways

Utilizing double-sided adhesive tape. To perform it, the tape is glued to the wide side of the corner block and it is cut to the width of the shelf. Then, the corner block is placed on the flooring and pressed against the shadow skirting board. The adhesive side is released after being pulled previously. It fixates the corner block to the floor.

Or utilizing glue, which is applied to the wide side of the corner block. It is important to use the glue of equal adhesion both to the corner block material and the installation base. Excess glue shall not be left on the surface after the corner block gets its position.



Installation example. Vertical incision (wall-floor)

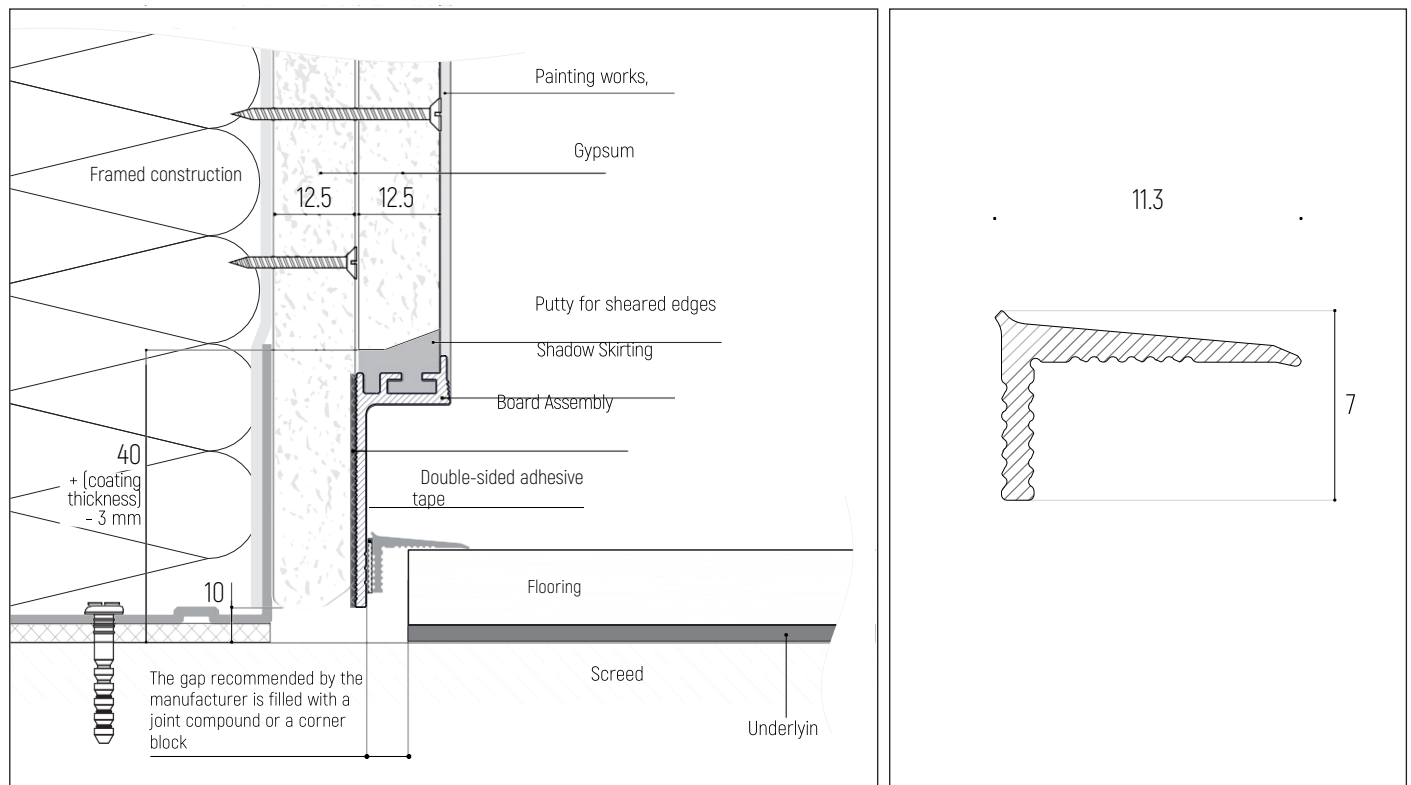
The corner section is 11.3*7 for the shadow skirting board

CORNER BLOCK 11.3*7 FOR SHADOW

Installation by floating method of flooring (lamine, engineering board on an underlying support)

the corner block is installed to the shadow skirting board, using a foamed double-sided adhesive tape of 0.8-1 mm. To perform it, the tape is glued to the small side of the corner block and it is cut to the width of the shelf.

Then, the corner block is laid on the flooring and pressed against the shadow skirting board. You shall pull the released protective paper. Then, the adhesive side of the tape is released and it gets fixated on the shadow skirting board without touching the base.



Installation example. Vertical incision (wall-floor)

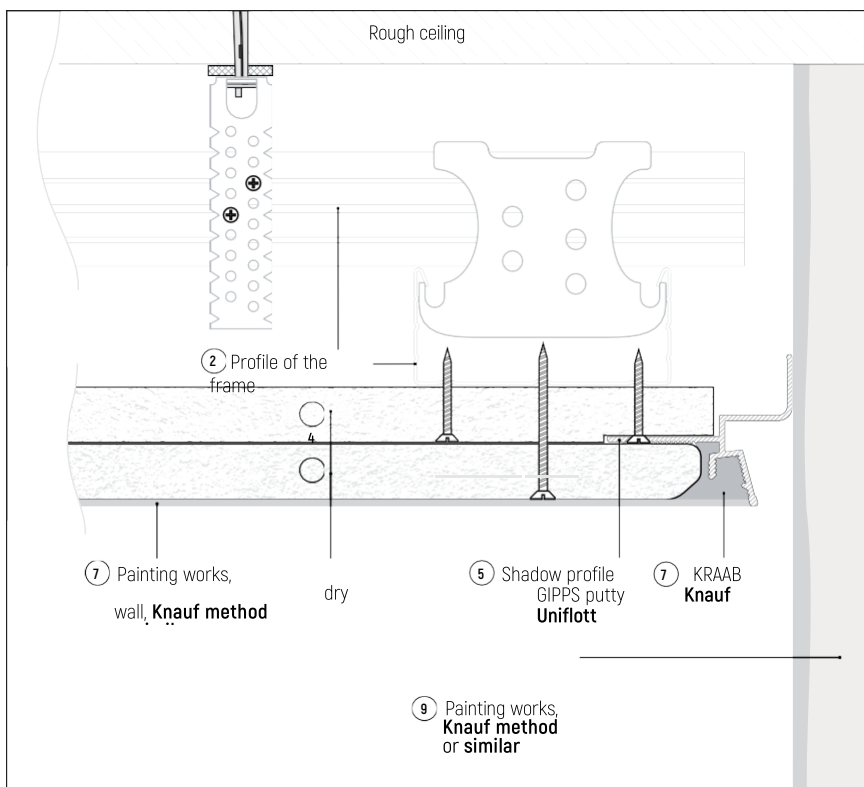
The corner section is 11.3*7 for the shadow skirting board

SHADOW PROFILE KRAAB GIPPS

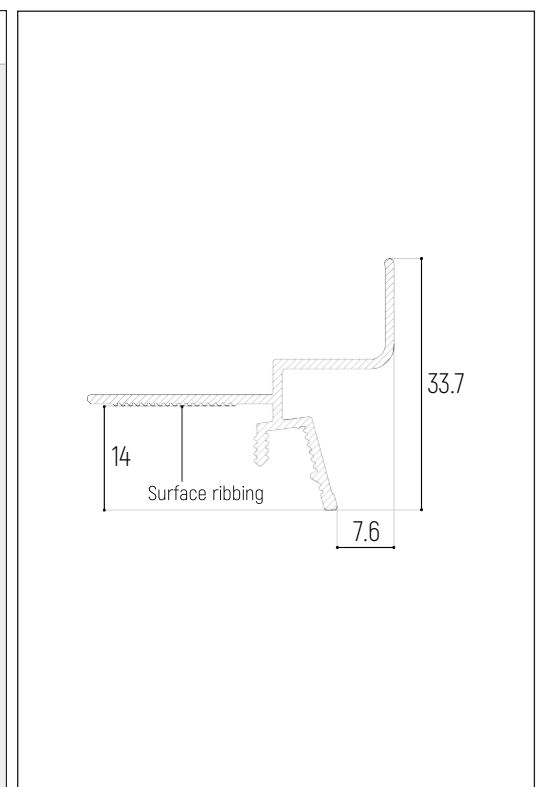
Installation on drywall ceiling - wall

Installation sequence:

- 1 Perform painting works on the walls, using the KNAUF method or similar.
- 2 Install a metal ceiling frame KNAUF P112, placing the extreme profiles of the frame at a distance of 20 mm from the walls.
- 3 Calculate the shadow profile layout, given the profile length of at least 400 mm, drill holes where it is attached to the ceiling frame and seal them under the caps of self-tapping screws.
- 4 Install the first drywall layer, using the built edge along the perimeter. The shift shall be of 20 mm from the wall. Or you can pre-mill it with a depth of 1.5 mm and a width of 30 mm.
- 5 Attach the shadow profile to the frame profile through the drywall sheet, starting from the corners.
- 6 You shall leave the sloped edge by the edge hand plane. Install the second drywall layer, leaving it 3-5 mm off the profile.
- 7 Prime the exposed drywall areas, using a deep primer. Wait till it dries and apply KNAUF-Uniflott putty or an alternative.
- 8 Protect the gap of the shadow profile, using a protective mask.
- 9 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical section



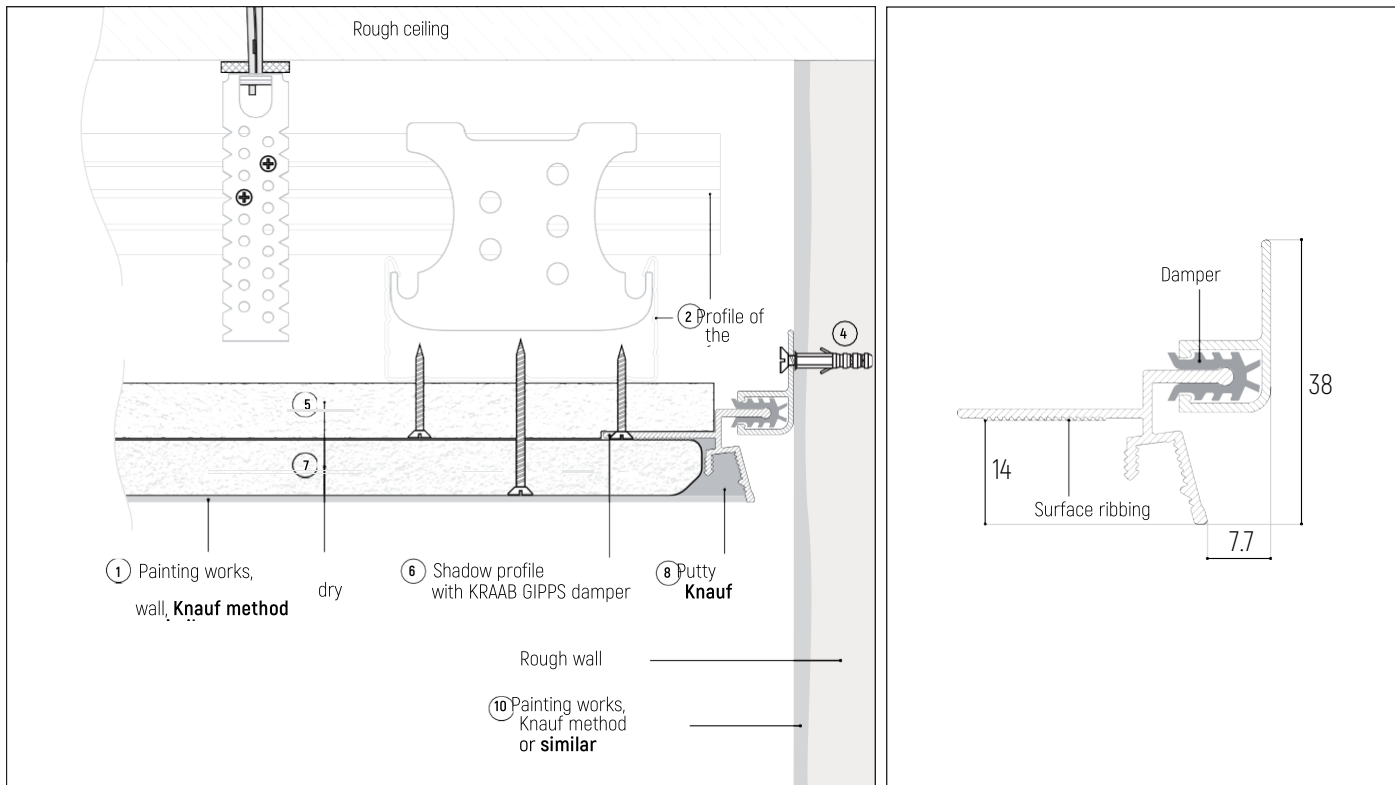
Section of KRAAB GIPPS shadow profile

DAMPER SHADOW PROFILE KRAAB GIPPS

Installation on drywall ceiling - wall attachment

Installation sequence:

- 1 Perform painting works on the walls, using the KNAUF method or similar.
- 2 Install a metal ceiling frame KNAUF P112, placing the extreme profiles of the frame at a distance of 20 mm from the walls.
- 3 Calculate the shadow profile layout, given the profile length of at least 400 mm, drill holes where it is attached to the ceiling frame and seal them under the caps of self-tapping screws. Drill holes in the profile wall adjacent to the wall with a 6.5 mm drill bit with at a pitch of no more than 500 mm.
- 4 Attach the shadow damper profile to the wall, starting from the corners. Use a method appropriate to the wall material.
- 5 Install the first drywall layer, using the built edge along the perimeter. The shift shall be of 20 mm from the wall. Or you can pre-mill it with a depth of 1.5 mm and a width of 30 mm.
- 6 Attach the shadow damper profile to the frame profile through a drywall sheet, starting from the corners.
- 7 You shall leave the sloped edge by the edge hand plane. Install the second drywall layer, leaving it 3-5 mm off the profile.
- 8 Prime the exposed drywall areas, using a deep primer. Wait till it dries and apply KNAUF-Uniflott putty or an alternative.
- 9 Protect the gap of the shadow profile, using a protective mask.
- 10 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical section

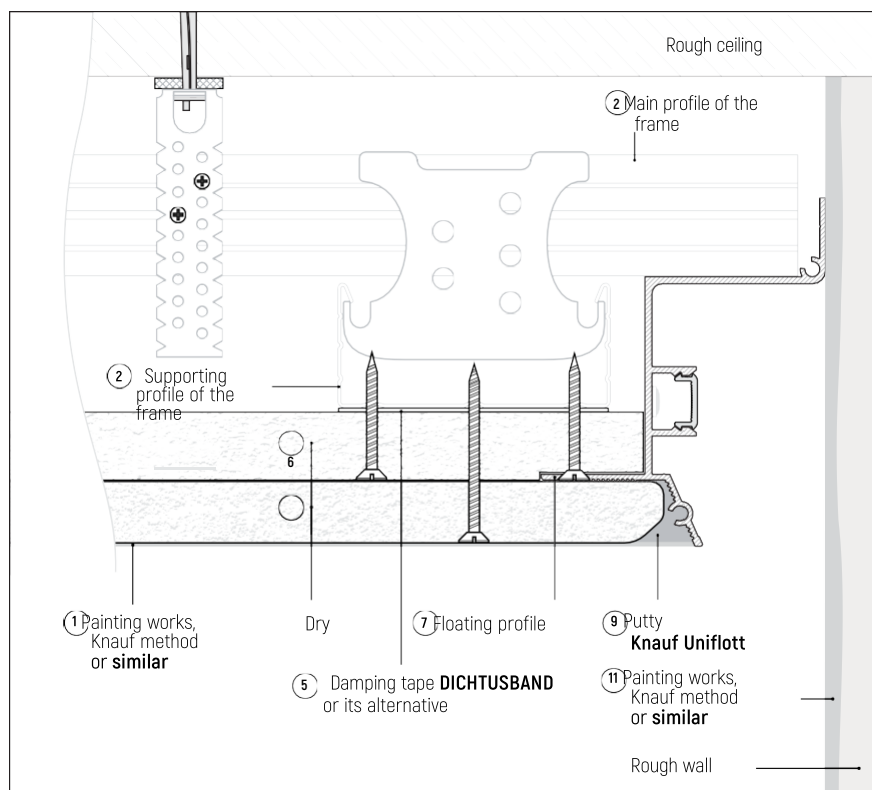
Section of KRAAB GIPPS damper shadow profile

FLOATING PROFILE GIPPS VILLAR 1.0

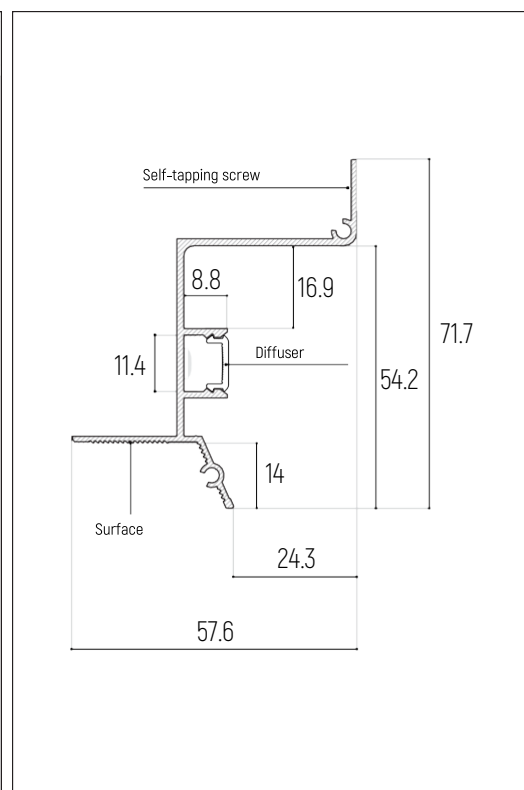
Installation on plasterboard ceiling - plastered wall attachment

Installation sequence:

- 1 Perform painting works on the walls, using the KNAUF method or similar.
- 2 Mount a metal frame KNAUF P112 of the ceiling, leaving the main profile of the frame 10 mm off the wall.
- 3 You shall decide on the LED strip layout before mounting the floating profile. It is recommended to connect the strip on both sides. It is recommended not to bend it but to cut and dock at the inner and outer corners. You shall provide the holes in the floating profile to connect and maintain the strip where it is docked.
- 4 Calculate the floating profile layout, given the profile length of at least 400 mm, drill holes in the lower horizontal shelf where it is attached to the ceiling frame and seal them under the caps of self-tapping screws.
- 5 Stick a damping tape DICHT SBAND or its alternative on the supporting profile of the frame.
- 6 Install the first drywall layer, using the built edge along the perimeter. Or you can pre-mill it with a depth of 1.5 mm and a width of 30 mm, placing the drywall sheet on the horizontal shelf of the floating profile.
- 7 Attach the floating profile to the frame profile through a drywall sheet, starting from the corners.
- 8 You shall leave the sloped edge by the edge hand plane. Install the second drywall layer, leaving it 3-5 mm off the profile.
- 9 Prime the exposed drywall areas, using a deep primer. Wait till it dries and apply KNAUF-Uniflott putty or an alternative.
- 10 Protect the floating profile, using a paint tape.
- 11 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical section



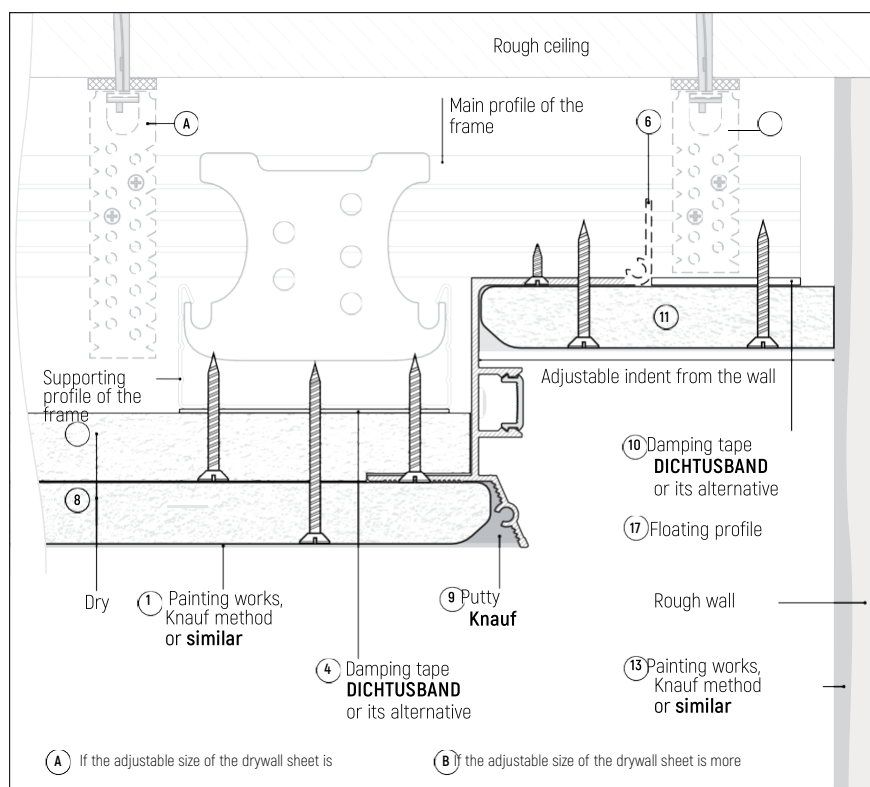
GIPPS VILLAR 1.0 floating profile section

FLOATING PROFILE GIPPS VILLAR 1.0

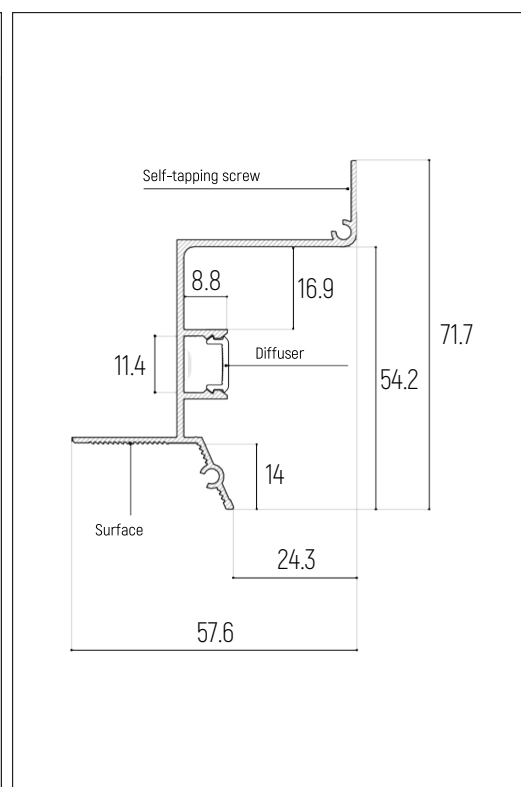
Installation on drywall ceiling - plastered wall attachment, increased light gap

Installation sequence:

- 1 Perform painting works on the walls, using the KNAUF method or similar. Install a metal frame of the ceiling KNAUF F112.
- 2 You shall decide on the LED strip layout before mounting the floating profile. It is recommended to connect the strip on both sides. It is recommended not to bend it but to cut and dock at the inner and outer corners. You shall provide the holes in the floating profile to connect and maintain the strip where it is docked.
- 3 Calculate the floating profile layout, given the profile length of at least 400 mm, drill holes in its both horizontal shelves where they are attached to the ceiling frame and seal them under the caps of self-tapping screws.
- 4 Stick a damping tape DICT SBAND or its alternative on the supporting profile of the frame.
- 5 Install the first drywall layer on the supporting profile, using the built edge along the perimeter. Or you can pre-mill it with a depth of 1.5 mm and a width of 30 mm.
- 6 Cut out a dotted part from the vertical wall of the floating profile at the intersection of it and the main profiles of the frame. The spread is 80 mm.
- 7 Attach the floating profile to the main and supporting profiles of the frame, starting from the corners.
- 8 You shall leave the sloped edge by the edge hand plane. Install the second drywall layer, leaving it 3-5 mm off the profile.
- 9 Prime the exposed drywall areas, using a deep primer. Wait till it dries and apply KNAUF-Uniflott putty or an alternative.
- 10 Stick a damping tape DICT SBAND or its alternative to the main profile of the frame to compensate for the floating profile thickness.
- 11 Install the drywall sheet between the wall and the floating profile.
- 12 Protect the floating profile, using a paint tape.
- 13 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical section



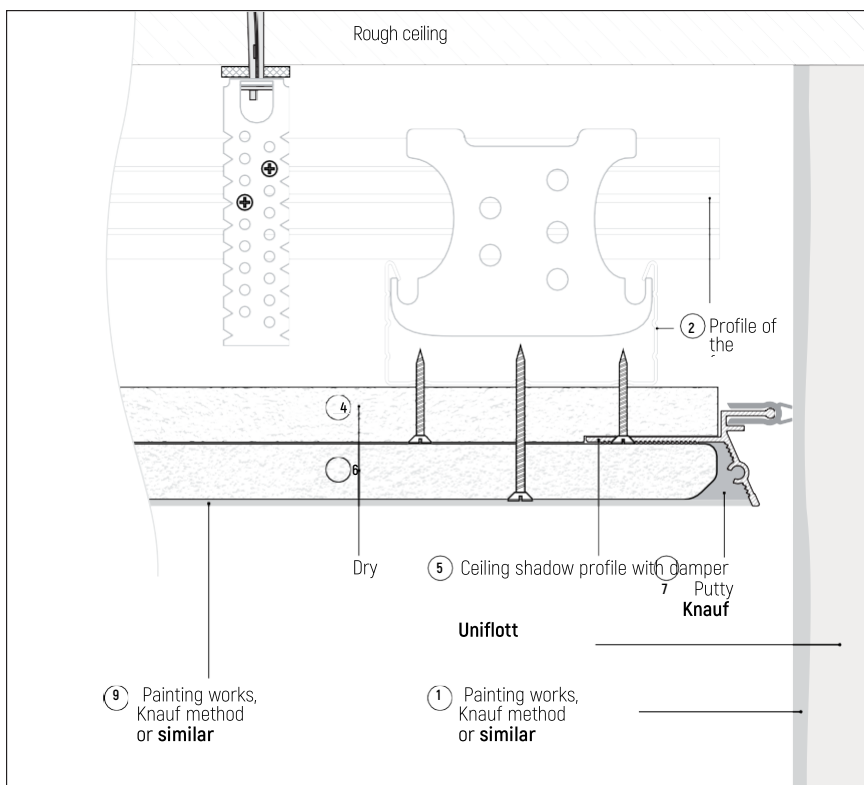
GIPPS VILLAR 1.0 floating profile section

SHADOW PROFILE WITH DAMPER KRAAB GIPPS 3-12

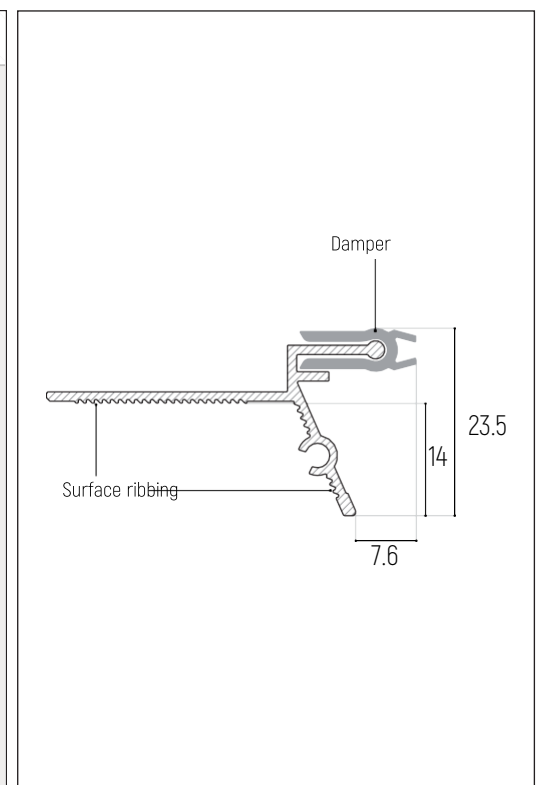
Installation on drywall ceiling - wall attachment

Installation sequence:

- 1 Perform painting works on the walls, using the KNAUF method or similar.
- 2 Install a metal ceiling frame KNAUF P112, placing the extreme profiles of the frame at a distance of 20 mm from the walls.
- 3 Calculate the shadow profile layout, given the profile length of at least 400 mm, drill holes where it is attached to the ceiling frame and seal them under the caps of self-tapping screws.
- 4 Install the first drywall layer, using the built edge along the perimeter. The shift shall be of 20 mm from the wall. Or you can pre-mill it with a depth of 1.5 mm and a width of 30 mm.
- 5 Attach the shadow profile to the frame profile through the drywall sheet, starting from the corners.
- 6 You shall leave the sloped edge by the edge hand plane. Install the second drywall layer, leaving it 3-5 mm off the profile.
- 7 Prime the exposed drywall areas, using a deep primer. Wait till it dries and apply KNAUF-Uniflott putty or an alternative.
- 8 Protect the gap of the shadow profile, using a protective mask.
- 9 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical section



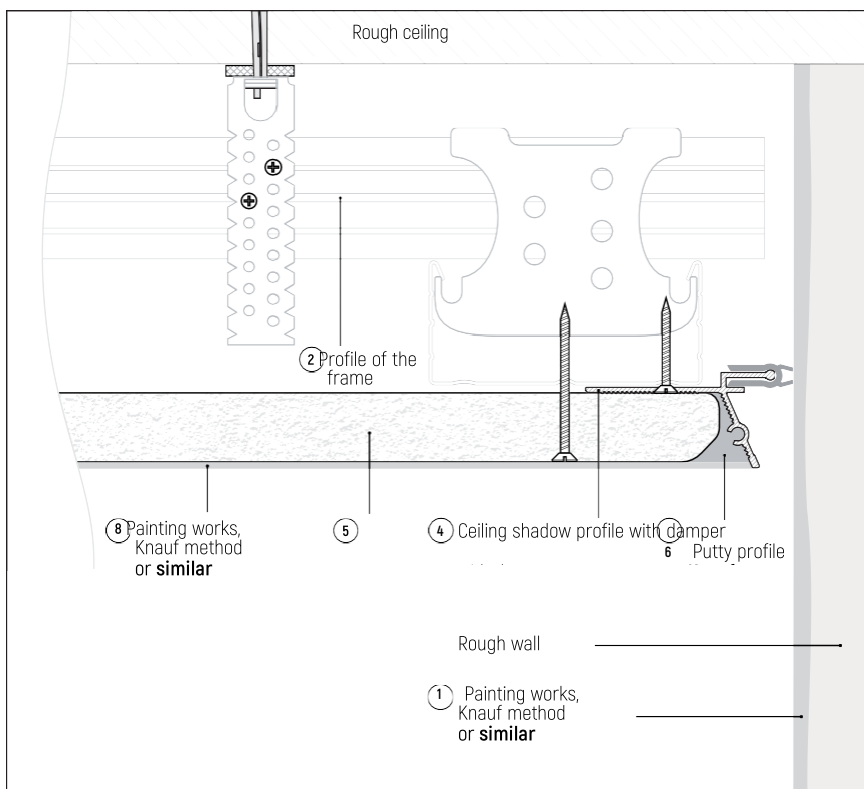
Section of KRAAB GIPPS 3-12 shadow profile with damper

SHADOW PROFILE WITH DAMPER KRAAB GIPPS 3-15

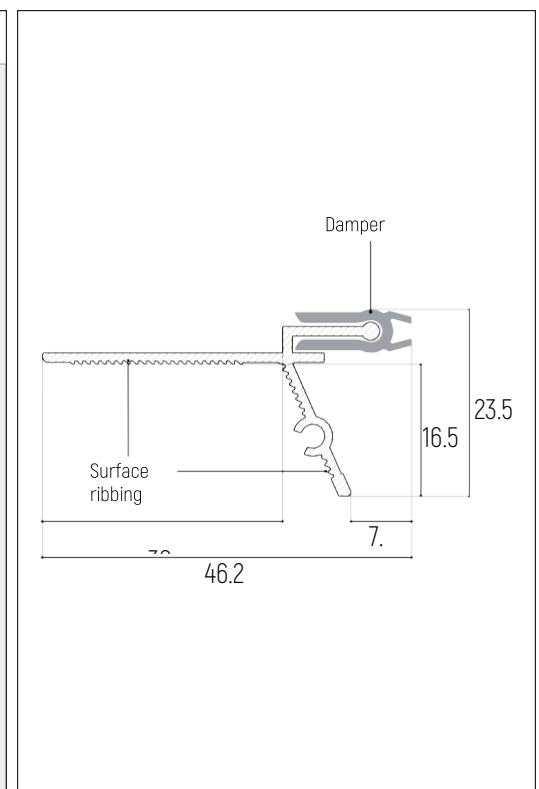
Installation on drywall ceiling - wall attachment

Installation sequence:

- 1 Perform painting works on the walls, using the KNAUF method or similar.
- 2 Install a metal ceiling frame KNAUF P112, placing the extreme profiles of the frame at a distance of 20 mm from the walls.
- 3 Calculate the shadow profile layout, given the profile length of at least 400 mm, drill holes where it is attached to the ceiling frame and seal them under the caps of self-tapping screws.
- 4 Attach the shadow profile to the frame profile through the drywall sheet, starting from the corners.
- 5 You shall leave the sloped edge by the edge hand plane. Then, install the drywall layer, leaving it 3-5 mm off the profile.
- 6 Prime the exposed drywall areas, using a deep primer. Wait till it dries and apply KNAUF-Uniflott putty or an alternative.
- 7 Protect the gap of the shadow profile, using a protective mask.
- 8 Perform painting works, using the KNAUF method or similar.



Installation example. Vertical section



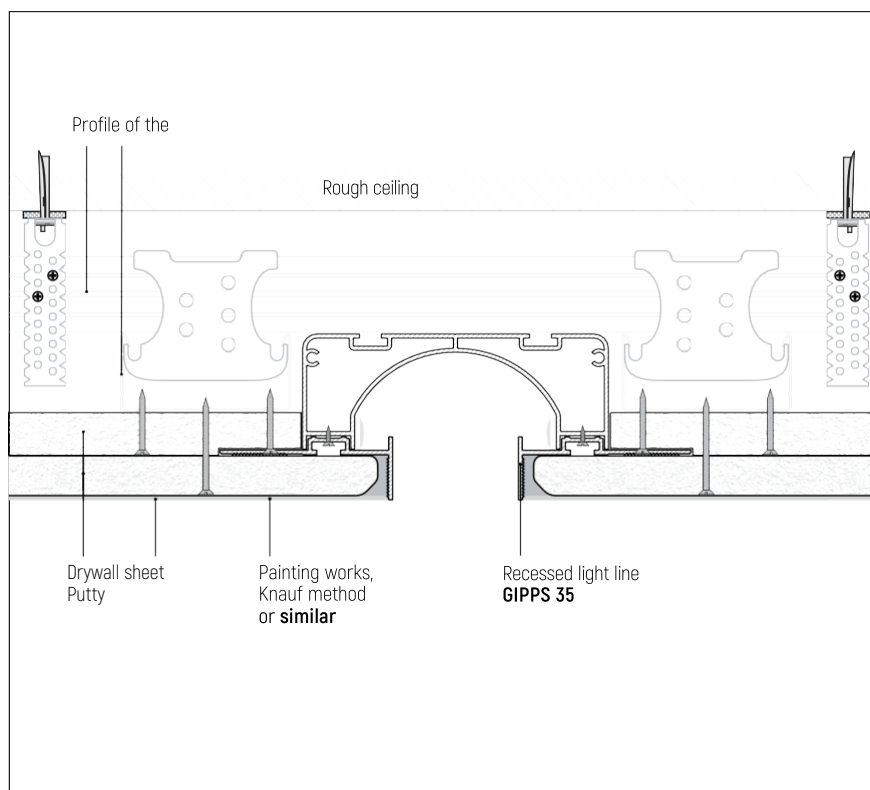
Section of KRAAB GIPPS 3-15 shadow profile with damper

RECESSED LIGHT LINE GIPPS 35

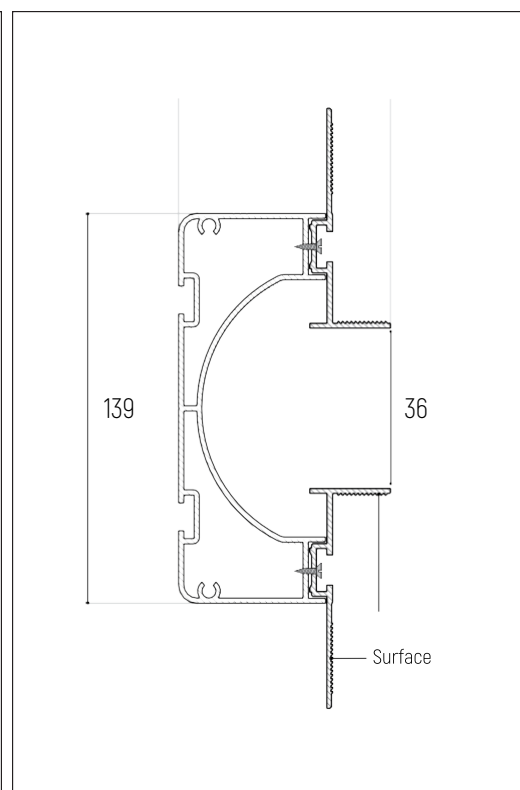
Installation on drywall ceiling

Installation sequence:

- 1 Mount a metal frame of the ceiling KNAUF P112 in a way that its supporting profiles are at a distance of about 5 mm from the base profile of recessed light line GIPPS 35 (hereinafter referred to as the niche) and are surrounded by nearby additional suspensions. It is more convenient to mount a solid frame firstly and to cut out a frame part after, using a tool designed for this purpose, where the recessed light line intersects with the frame profiles.
- 2 Attach the mounting bars to the base niche profile, using LN 3.5* 11 self-tapping screws. Pre-drilling them at the attachment points to the base niche profile and to the supporting profiles of the frame with a 3.5 mm diameter drill bit at a pitch of no more than 300 mm. Seal the holes for the caps of the screws at the attachment points to the supporting profiles of the frame.
- 3 Install the first drywall layer, using the built edge to the niche. Or you can pre-mill it with a depth of 1.5 mm and a width of 30 mm where there are attachment points of the niche mounting bars.
- 4 Attach the niche to the frame profile through a drywall sheet, starting from the corners and the ends. You shall saw the profile, using a miter saw (an aluminum disc). The end caps are pre-screwed to the niche ends, using self-tapping screws.
- 5 You shall leave the sloped edge by the edge hand plane. Install the second drywall layer, leaving it 3-5 mm off the profile.
- 6 Prime the exposed drywall areas, using a deep primer. Wait till it dries and apply KNAUF-Uniflott putty or an alternative.
- 7 Perform painting works, using the KNAUF method or similar. You shall protect the niche gap, using extruded polystyrene foam (penoplex or its alternative).



Installation example. Vertical section



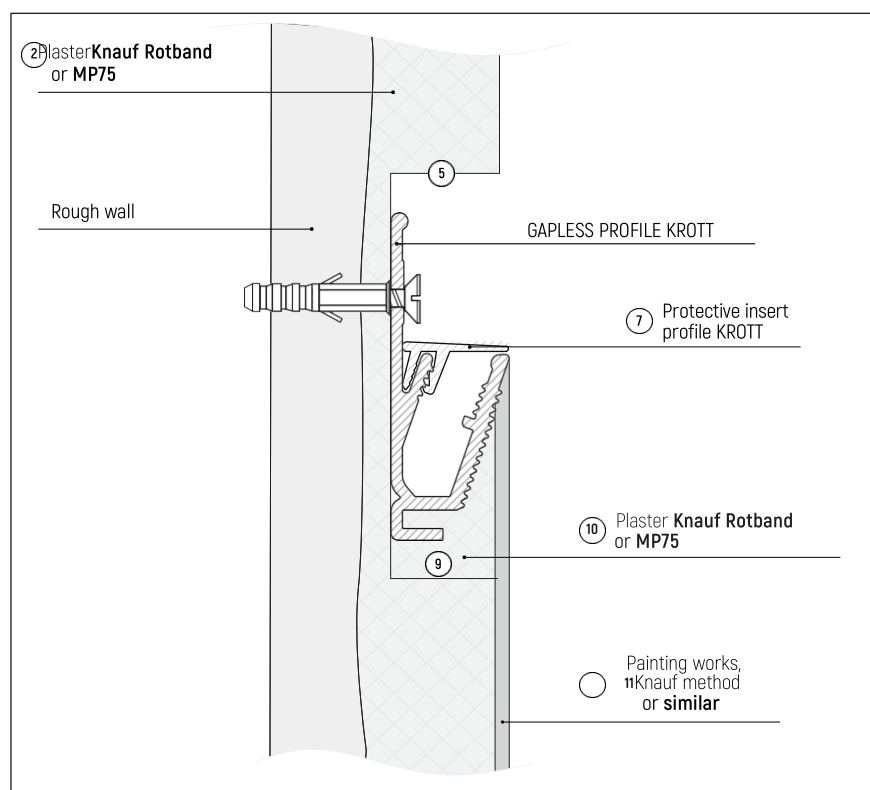
Section of recessed light line GIPPS 35

GAPLESS PROFILE KROTT

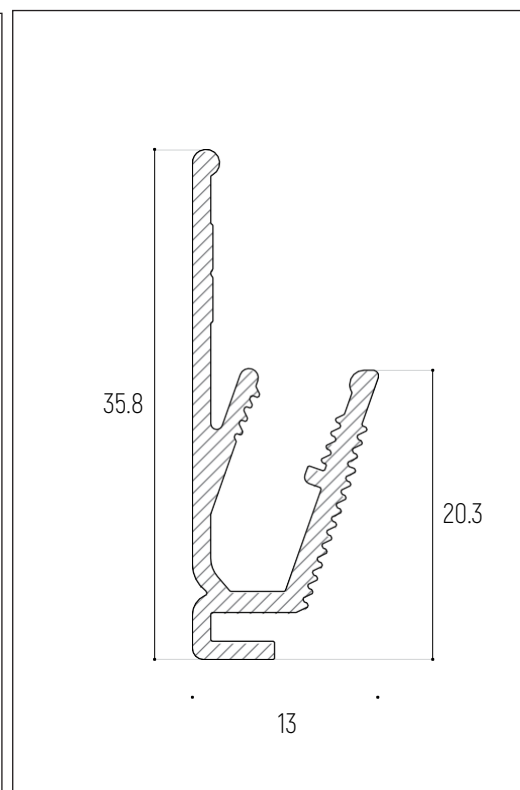
Installation on a plastered wall

Installation sequence:

- 1 Determine the level of the stretch ceiling, given engineering networks and embedded equipment (luminaires, curtain rods, etc.)
- 2 Make sure that communications and engineering networks (wires, pipes, etc.) do not pass through the installation site of the profile and its niches into the wall, which may interfere with the profile installation process.
- 3 **Option 1 – the wall is plastered.** Make a longitudinal recession in the wall of at least 10 cm (height) by 2 cm (depth), using a slitting tool and an air pick hammer in a way that the level of the stretch ceiling is in the center of the recession.
- 4 **Option 2 – the wall is not plastered.** Install a removable longitudinal embedded part of 10 cm (height) by 2 cm (depth) in a way that the level of the stretch ceiling is in the center of the embedded part. Perform plastering works. Disassemble the removable cast-in.
- 5 Make a finishing plastering of the recession, using a template in a way that the dimensions of the niche are 8 cm by 1.25 cm, given that the intended level of the stretch ceiling is in the center. Wait till the nich is completely dry.
- 6 Drill holes in the KROTT profile with a diameter of 6.5 mm at a pitch of 150 mm.
- 7 Check the use of a protective insert in the profile along its entire length.
- 8 Attach the profile according to the chosen level of the ceiling. Profile fastening in the corners shall be performed by sawing the profile at 45 degrees (for 90 degree angles). You shall not have gaps of more than 1 mm between abutting profiles. Profile sawing shall be performed, using a miter saw (aluminum disc). Use special connectors for reliable docking in corners and in a straight line.
- 9 Prime the lower part of the niche.
- 10 Plaster the lower part of the niche, using the KROTT profile as a lighthouse plaster profile.
- 11 Perform painting works, using the KNAUF method or similar. Make sure there are no mixtures in the profile cavity where the harpoon is installed.
- 12 Remove the protective insert, check the absence of foreign bodies (building mixtures) inside the harpoon assembly of the profile.
- 13 Check the joints and the evenness of the profile line – the final result depends on it.
- 13 Install a PVC stretch ceiling made with 8-10% shrinkage with a KD2 harpoon.



Installation example. Vertical section



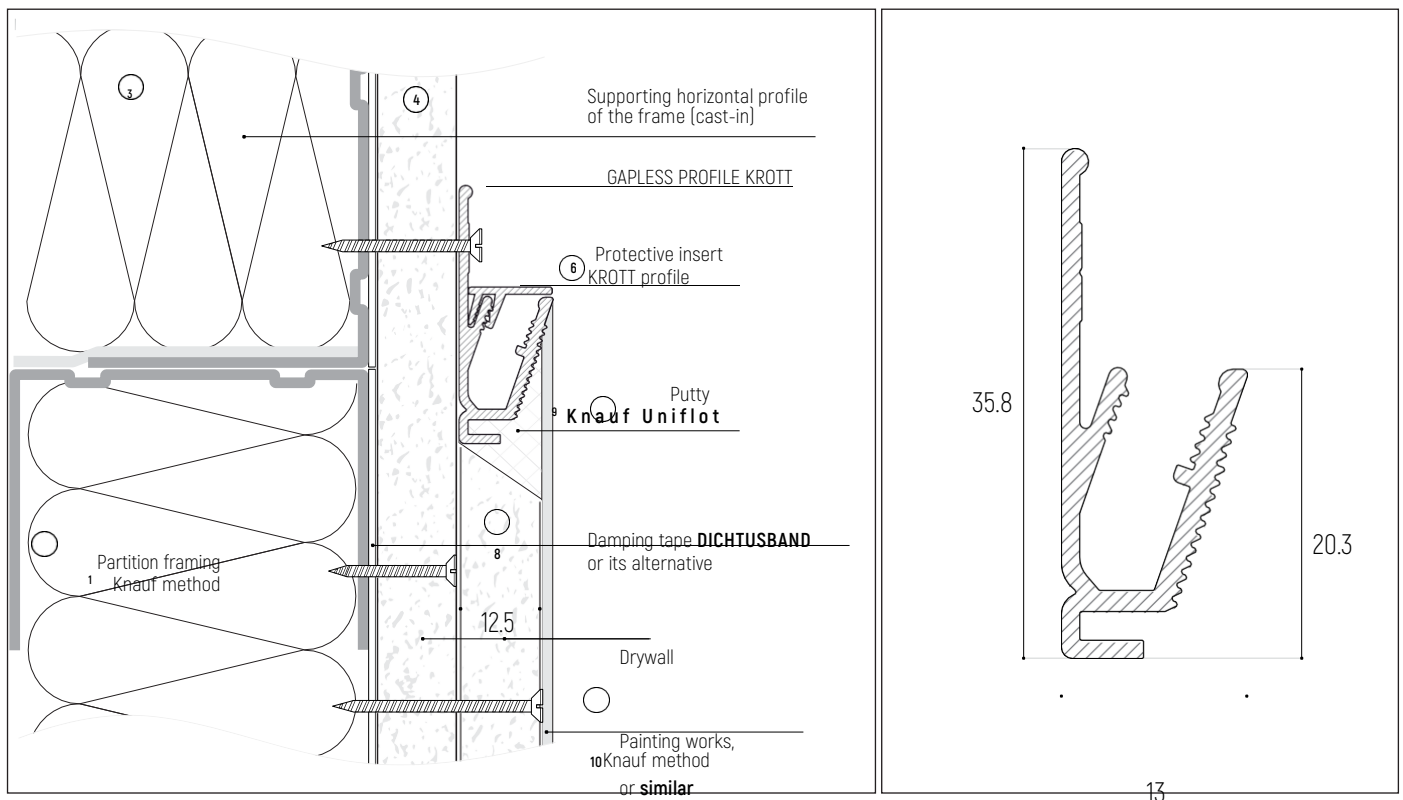
Section of gapless profile KROTT

GAPLESS PROFILE KROTT

Wall mounting from the drywall sheet

Installation sequence:

- 1 Install a metal frame KNAUF.
- 2 Determine the level of the stretch ceiling, given engineering networks and embedded equipment (luminaires, curtain rods, etc.)
- 3 Install an additional horizontal embedded part at the attachment point of the profile, according to the chosen ceiling level.
- 4 Sheathe the frame with the first drywall layer.
- 5 Drill holes in the KROTT profile with a diameter of 6.5 mm at a pitch of 150 mm.
- 6 Check the use of a protective insert in the profile along its entire length.
- 7 Attach the profile according to the chosen level of the ceiling. Profile fastening in the corners shall be performed by sawing the profile at 45 degrees (for 90 degree angles). You shall not have gaps of more than 1 mm between abutting profiles. Profile sawing shall be performed, using a miter saw (aluminum disc). Use special connectors for reliable docking in corners and in a straight line.
- 8 You shall leave the sloped edge by the edge hand plane. Install the second drywall layer of a 12.5 mm thickness, leaving it 3-5 mm off the profile.
- 9 Prime the exposed drywall areas, using a deep primer. Wait till it dries and apply KNAUF-Uniflott putty or an alternative.
- 10 Perform painting works, using the KNAUF method or similar. Make sure there are no mixtures in the profile cavity where the harpoon is installed.
- 11 Remove the protective insert, check the absence of foreign bodies (building mixtures) inside the harpoon assembly of the profile.
- 12 Install a PVC stretch ceiling made with 8-10% shrinkage with a KD2 harpoon.



Installation example. Vertical section

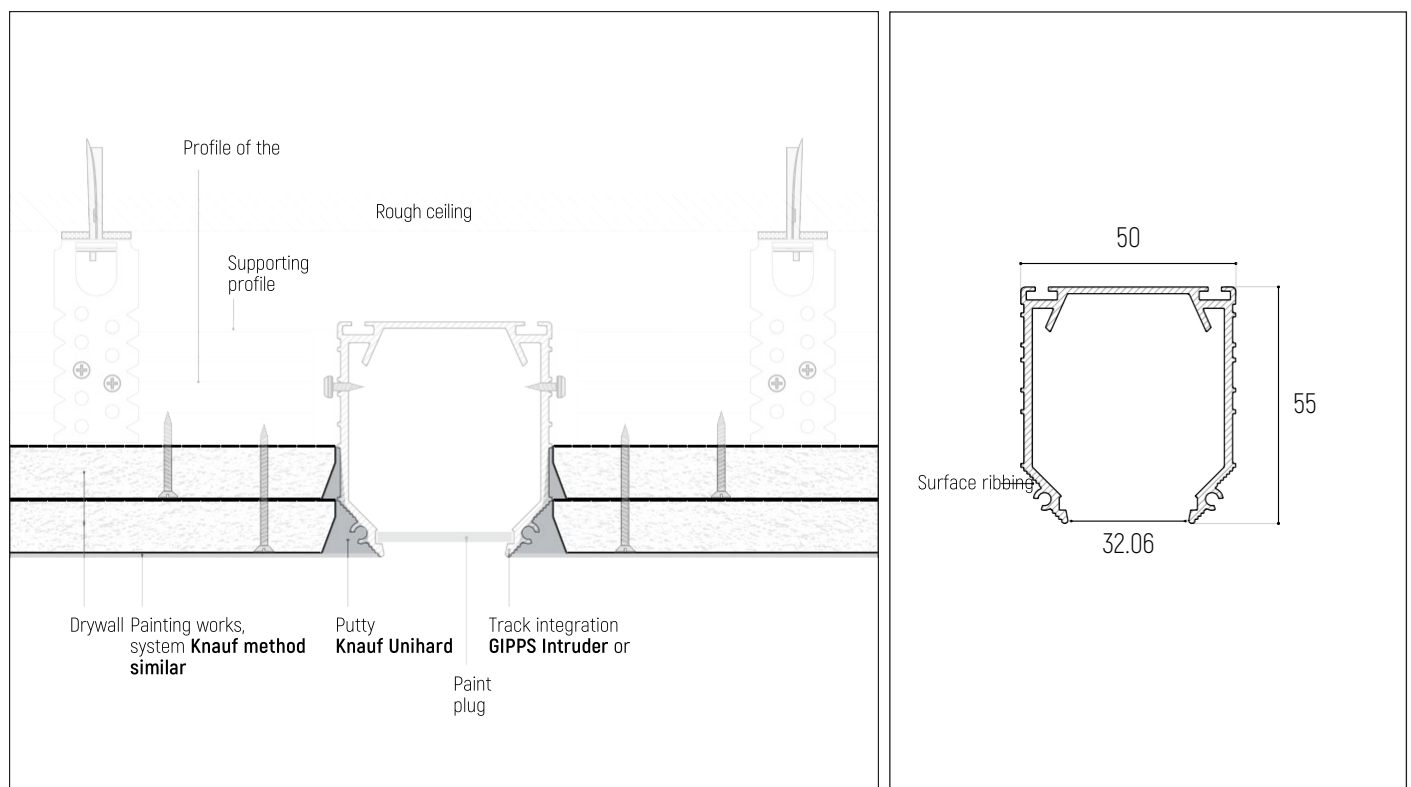
Section of gapless profile KROTT

GIPPS INTRUDER

Installation on drywall ceiling,

Installation sequence:

- 1 Assemble the ceiling frame in a way that the ceiling profile does not cross the place where the Intruder is installed. The installation gap shall be of at least 60 mm. The space between the center of the Intruder and the center of the nearest metal hanger is not less than 100 mm (P113 frame, Knauf method).
- 2 Once the Intruder has the necessary size, fixate the end cap.
- 3 Fasten the supporting profile to the Intruder with a shift from the top equal to the thickness of the sheets to be filled and the putty layer. You can use a home-made template: a gypsum chip-board with a gap equal to the Intruder width which has two gypsum chip-board sheets with a spacer equal to the thickness of the finishing putty. The Intruder is placed to the indent. The supporting profile is screwed from the side.
- 4 Install the Intruder in the ceiling frame by putting the supporting profile to the ceiling. Put it on one side and insert the ceiling profile into it, if necessary.
- 5 Use special straight and angular connectors to rotate and lengthen the profile.
- 6 Insert a bus duct introductory connector into the Intruder body and check its operability.
- 7 Make sure to install a paint plug before the final fixation of the Intruder to the ceiling frame. It not only protects the interior but also sets the necessary gap for the subsequent installation of the bus duct.
- 8 Once you give the Intruder its design position, fixate it in the ceiling frame, using a divider by connecting the supporting profile screwed to the Intruder and the ceiling profile with it.
- 9 Fasten the gypsum building board to the frame with a gap from the Intruder body of 1.5-2mm. The sloped edge is removed to a depth of 2/3 at an angle of 22°5' and is filled with putty for the edged joints of the gypsum-chip board.
- 10 Remove the paint plug once painting works are completed.
- 11 The bus duct is cut into the size and is inserted into the Intruder. Then, it is screwed through the finished holes, using self-tapping screws.



Installation example. Vertical section

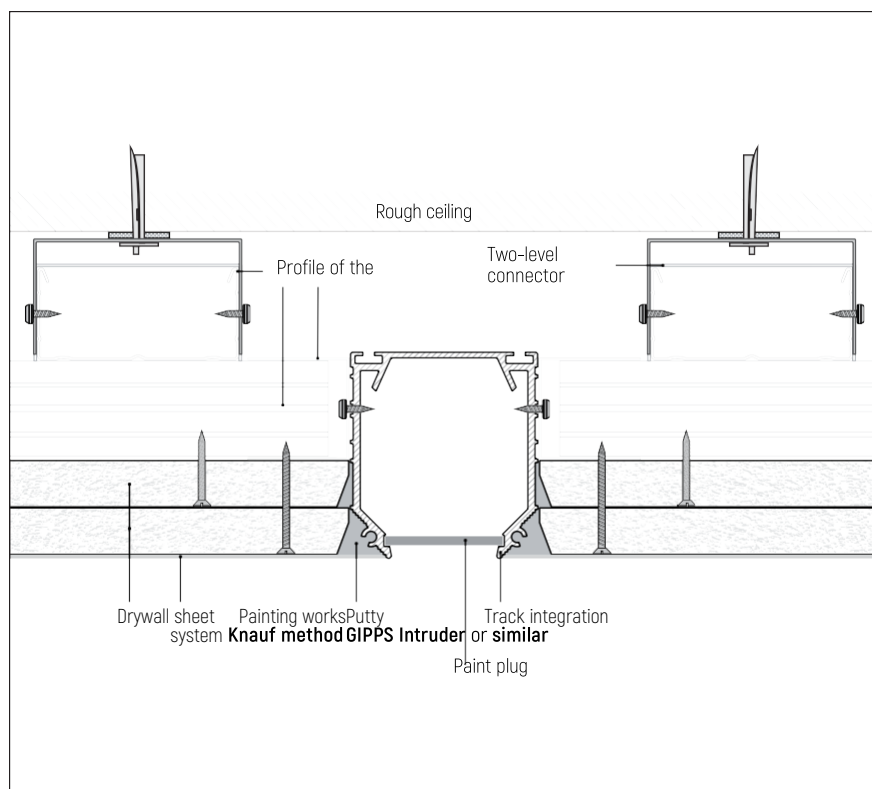
GIPPS INTRUDER section

GIPPS INTRUDER

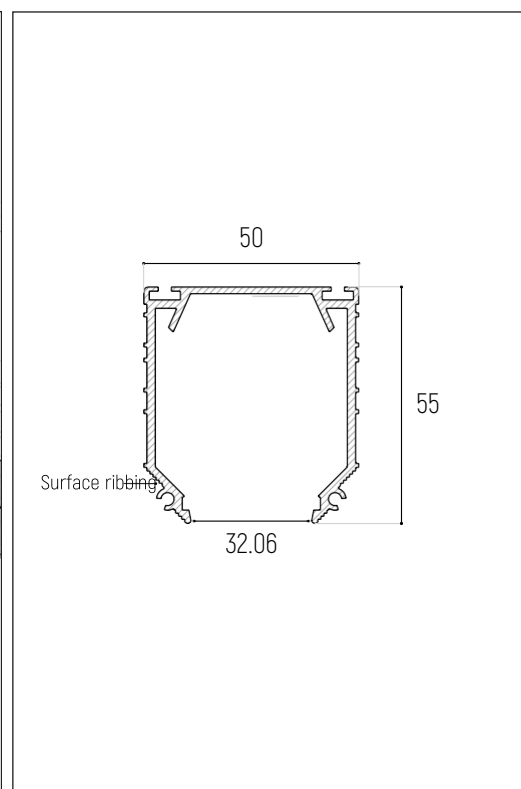
Installation on drywall ceiling,

Installation sequence:

- 1 Assemble the ceiling frame in a way that the ceiling profile does not cross the place where the Intruder is installed. The installation gap shall be of at least 60 mm. The space between the center of the Intruder and the center of the nearest suspension is not less than 120 mm [P112 frame, Knauf method].
- 2 Once the Intruder has the necessary size, fixate the end cap.
- 3 Fasten the supporting profile to the Intruder with a shift from the top equal to the thickness of the sheets to be filled and the putty layer. You can use a home-made template: a gypsum chip-board with a gap equal to the Intruder width which has two gypsum chip-board sheets with a spacer equal to the thickness of the finishing putty. The Intruder is placed to the indent. The supporting profile is screwed from the side.
- 4 становите Интродер в каркас потолка надеть Интродер на несущий профиль не позволит двухуровневый соединитель, для осуществления монтажа верхняя полка направляющего профиля протяженностью 8см удаляется.
- 5 Use special straight and angular connectors to rotate and lengthen the profile.
- 6 Insert a bus duct introductory connector into the Intruder body and check its operability.
- 7 Make sure to install a paint plug before the final fixation of the Intruder to the ceiling frame. It not only protects the interior but also sets the necessary gap for the subsequent installation of the bus duct.
- 8 Once you give the Intruder its design position, fixate it in the ceiling frame, using a divider by connecting the supporting profile screwed to the Intruder and the ceiling profile with it.
- 9 Fasten the gypsum building board to the frame with a gap from the Intruder body of 1.5-2mm. The sloped edge is removed to a depth of 2/3 at an angle of 22°5 and is filled with putty for the edged joints of the gypsum-chip board.
- 10 Remove the paint plug once painting works are completed.
- 11 The bus duct is cut into the size and is inserted into the Intruder. Then, it is screwed through the finished holes, using self-tapping screws.



Installation example. Vertical section



GIPPS INTRUDER section