

Installation Manual

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With five alternative application methods there is a suitable Cladseal solution to every facade or window construction and every type of substrate.

Substrate

Surfaces to be bonded have to be clean and dry. If any oil based products are present these has to be washed away with Cleaning Wash 9700 before applying the Cladseal strip. On porous substrate like for instance concrete and light weight concrete the substrate must be primed before application. Priming is done with Primer 9800 alternatively Contact Adhesive 5000 that has been thinned with 10 % Cleaning Wash 9700. When using contact adhesive on porous substrate we recommend the Contact Adhesive 5000 as primer and that the surface shall be stroked twice. It is important that the applied primer is left to dry before bringing on the adhesive.

	Product type	Areas of use	Suitable substrates or surfaces
Paste Adhesive 3300	Polymer based high viscosity adhesive with low solvent content. Colour black	One-side adhering of EPDM and Butyl to substrates. By using Paste Adhesive 3300 the position of the strip can be adjusted, where Contact Adhesive 5000 gives instant fixation.	Hard PVC, Aluminium, Steel, Galvanised steel, Acrylic glass, Concrete, Light weight concrete, Lead, Wood, Bitumen, EPDM, Butyl
Contact Adhesive 5000	Polymer based contact adhesive containing inflammable solvents. Colour black	Two-side adhering of EPDM and Butyl to substrates. Can also be used as Primer or to adhere / splice EPDM or Butyl surfaces together, in combination with Sealant 5590.	Aluminium, Steel, Galvanised steel, Bitumen (not APP), Concrete, Light weight concrete, Wood, EPDM, Butyl
Cleaning Wash 9700	Naphtha (Petroleum), hydrogen processed light. Highly inflammable. Colourless liquid	Used on metal and EPDM surfaces that are to accept adhesives which have been contaminated by oil-based products or excess dirt (note: on both mating surfaces in the case of EPDM).	Aluminium, Steel, Galvanised steel, Acrylic glass, Concrete, Light weight concrete, Lead, Wood, Bitumen, EPDM, Butyl
Primer 9800	Solvent based primer that contains polymer. Highly flammable. Colour black	Treatment of absorbing or porous substrates before applying Cladseal strips glued with Paste and Cladseal SA/SA-Fix.	Mineral based substrate; i.e. Concrete, Light weight concrete, Stone, Perlite, Mineral boards
Sealant 5590	Silicone based sealant with low solvent content. Colour black	Sealing of overlaps seams, details and corners in Cladseal systems.	Hard PVC, Aluminium, Steel, Galvanised steel, Glass, Acrylic glass, EPDM, Butyl

Note: Contact Adhesive 5000 and Cleaning Wash 9700 might discolour Hard PVC (uPVC) if these are combined.

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Cladseal with Contact Adhesive 5000

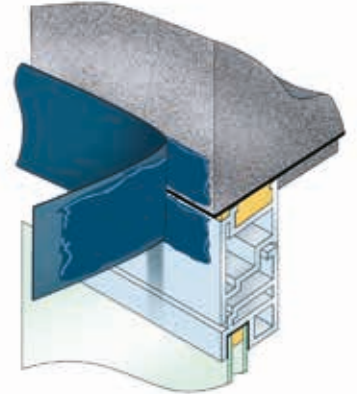
Contact Adhesive 5000 must be applied to both the mating surfaces that are to be bonded together. Stir the adhesive carefully before use and apply with solvent resistant brush or roller. Allow both surfaces to flash off until touch dry. Bond together and apply pressure using a silicone or steel rubber roller. Make sure that the strip is applied without building in tension and stress to the splice. On really porous substrate where it is obvious that the adhesive vanishes into the material, the substrate shall be primed with Contact Adhesive 5000 and left to dry before once more applying adhesive to bond the Cladseal strip.

We recommend that the bonding surface should be 10 cm wide or absolute minimum 5 cm. This gives an approximated consumption of 30-50 g/m depending on substrate. If the width of the bonding surface is less than 5 cm an additional mechanic fixation must be applied.

Seams between Cladseal strips must have a minimum overlap of 100 mm, bonded together with Contact Adhesive 5000.

Note: Contact Adhesive 5000 must not be applied in temperatures below 5°C.

Warning: Contact Adhesive 5000 is highly flammable. Keep away from open fire.
The solvent in Contact Adhesive 5000 are harmful to polystyrene foam and similar products.



Cladseal with Paste Adhesive 3300

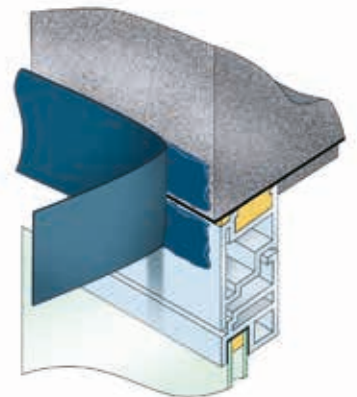
Paste Adhesive 3300 is applied on substrate with standard type of hand or electric gun or putty spade. Apply the paste in 2-3 beads to the substrate. Wait a couple of minutes before fixing the Cladseal membrane into the paste. Spread the paste or apply the Cladseal membrane directly over the beads so that a 1 mm thick layer of adhesive is covering a width of approx 100 mm. Apply pressure using a silicone or steel roller. When adhering vertically the paste shall be applied and pressed until a 1 mm bead is visible outside the membrane edge, to seal the splice.

Make sure that the strip is applied without building in tension and stress to the splice.

Seams between Cladseal strips must have a minimum overlap of 100 mm, bonded together with Paste Adhesive 3300. The paste shall be applied and pressed until a 1 mm bead is visible outside the membrane edge, to seal the splice.

Note: Paste Adhesive 3300 must not be applied in temperatures below 5°C.

Warning: Paste Adhesive 3300 is flammable. Avoid open flames.



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Cladseal SA/Cladseal SA-Fix

Cladseal SA is a scrim reinforced composite EPDM rubber sheet coated with sticky Butyl that makes the sheet adhere to most available construction material.

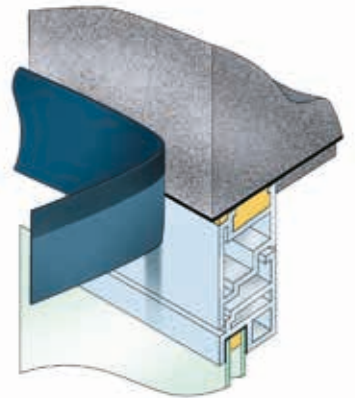
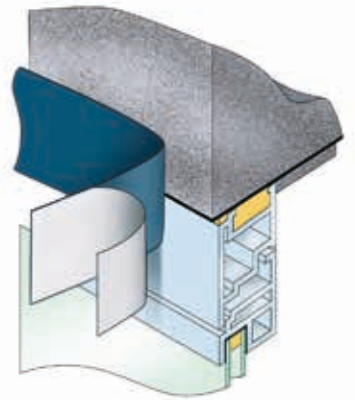
Cladseal SA-Fix is a composite EPDM rubber sheet partly coated with sticky Butyl that makes the sheet adheres to most available construction material.

Tear of the protective foil and press the Cladseal to the substrate. Use a silicone or steel roller to apply pressure and get a good bonding between Cladseal SA/SA-Fix and the substrate. Make sure that the strip is applied without building in tension and stress to the splice.

Cladseal SA and SA-Fix must be mechanically secured at the top to avoid sliding.

Seams between Cladseal strips shall be done with Contact Adhesive 5000 or Paste Adhesive 3300.

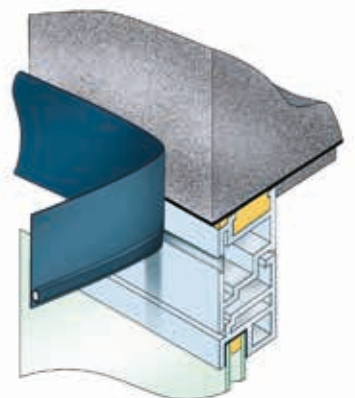
Note: Cladseal SA and Cladseal SA-Fix must not be applied in temperatures below 5°C.



Cladseal P-Fix

Cladseal P-Fix is an EPDM strip with an EPDM profile attached on one side. During installation the profile shall be firmly pressed into the mounting spline. It is possible to use silicon as anti friction agent for easier mantling. The side on the strip without profile must be glued to the substrate with Contact Adhesive 5000 or Paste Adhesive 3300. The area that shall be glued must be free from silicone to gain sufficient adhesion.

Make sure that the strip is applied without building in tension and stress to the splice.





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Technical guidance

SealEco technicians would gladly respond to every question or uncertainty regarding our Cladseal system.

General information

All information in this installation instruction is based on our practical experience throughout the years as well as laboratory evaluations. Nevertheless, we cannot assume any responsibility for its use, the circumstance under which the products are stored, handled and used being beyond our control.