



Installation Manual

Cladseal

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1. Substrates

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



1. Substrates

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

Product name	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 flammable 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 flammable. Colourless liquid	Used on metal and EPDM surfaces that are to accept adhesives which have been contaminated by oilbased 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 red	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

2. Packaging and coverage

Cleaning Wash 9700	5 L can 1 L can	Random			6 mths in cool storage max
Primer 9800	6 ltr tin 4.5kg /tin	100-200g/m ² 22-45 m ² /tin			
Sealant 5590	310 g cartridge	8 - 12 lin m per cartridge	Processing temp +1° to 30°C		12 mths in cool storage max
Paste Adhesive 3300	600 ml sausage	10 - 12 lin m per sausage	Dry conditions +5°C		12 mths in cool storage max
Contact Adhesive 5000	4.5kg tin (6 ltr) 0.9kg tin	0.5kg/m ²	Dry conditions +5°C		12 mths in cool storage max
Package					
Coverage					
Installation temp					
Shelf life					



3. Roll sizes

EPDM Strips	Roll widths (mm)
Roll Length 25m	1700
Thicknesses	1400
0.75mm	1275
1 mm	1132
1.2mm	1000
	850
	750
	600
	566
	500
	425
	400
	300
	250
	200
	150
	100



Cladseal SA	Roll widths (mm)
Roll Length 20 m	1700
Thicknesses	1000
1.6 mm	750
	600
	566
	500
	425
	400
	300
	250
	200
	150
	100



4. What do I need?

If I use...	with...	do I need...	or...	or...
Membrane	Adhesive	Sealant 5590	Termination bar	Cleaning wash 9700
Cladseal EPDM	Paste Adhesive	X	Only if the bonding area is less than 100mm	✓
Cladseal EPDM	Contact Adhesive	✓	Only if the bonding area is less than 100mm	✓
Cladseal SA	Paste or Contact Adhesive for overlaps	X	Only if the bonding area is less than 100mm	✓
Cladseal SA-Fix	Paste or Contact Adhesive for overlaps	Only when Contact Adhesive is used	Only if the bonding area is less than 100mm	✓
Cladseal P-Fix	Paste or Contact Adhesive	Only when Contact Adhesive is used	Only if the bonding area is less than 100mm	✓



5. FAQ

Q. How can I check the compatibility of Cladseal with other systems?

A. *Contact SealEco's Technical Department*

Q. What product do I use for seams between EPDM membranes?

A. *Seams should be made using Paste or Contact Adhesive, even if using Cladseal SA*

Q. The product is not adhering, what should I do?

A. *Check the products have been stored correctly, the temperature conditions and the minimum width of the bonding surface. The product may not be suitable for this application. Contact SealEco for advice.*

Q. What is the minimum width of the bonding surface?

A. *For Contact Adhesive, Paste Adhesive and Cladseal SA the width is 100mm. On some situations it may be possible to use 50mm when adhering with Contact Adhesive (always confirm with SealEco's Technical Department). Cladseal SA-Fix should always be mechanically attached to the substrate.*

Q. Why do I have to use a rubber or steel roller?

A. *Pressure must be used to provide good adhesion. Steel and rubber rollers are best. We do not recommend using plastic rollers pr applying pressure by hand.*

Q. Must I use only SealEco's Sealant Guns?

A. *For your convenience, we provide these products, however you can use any rubber or steel roller or sealing gun (Hand or electric)*

5. FAQ

Q. How can I seal corners?

A. *Preformed corners are available from stock, however if these are not suitable for your application, overlap the Cladseal membrane and use Paste Adhesive or Sealant 5590 to seal the joints.*

Q.What is the minimum temperature for installations?

A. *Minimum processing temperature is 5°C*

Q.How should products be stored?

A. *Products should be stored in dry conditions between 5°C and 25°C*

Q. Do I have to use Primer before applying Cladseal?

A. *Only when adhering to porous substrates such as concrete, lightweight concrete, timber or mineral boards. Some concretes are so dense that it may not be necessary. If there is doubt, apply primer to a small area of the substrate and wait approx 1-2 hours. If you can peel off the Primer after this time, then the primer is not necessary. Otherwise, use Primer 9800.*

Q. I have a complicated detail. Can you assist me with a drawing and advice?

A. *Yes, contact our Technical Department who will do what they can to assist you.*

5. FAQ

Q.What is the difference between Cladseal EPDM and Cladseal Butyl membrane?

A. The only difference is water vapour transmission properties. Cladseal EPDM has a μ value of 32,000 and Cladseal Butyl has a μ value of 300,000. Therefore Cladseal Butyl is an excellent product to use inside the building for air sealing applications and Cladseal EPDM is perfect for the exterior. However current UK regulations allow EPDM to be used on both sides of the wall.

Q. Can I use Sealant 5590 in stead of Paste Adhesive or Contact Adhesive?

A. No. Sealant 5590 is a silicone based joint adhesive used with Contact Adhesive 5000 to seal joints and edges of the EPDM. Using the Sealant 5590 to temporarily adhere the membrane is not recommended as a permanent solution.

Q. What type of adhesive can I use with Cladseal EPDM?

A. Contact Adhesive should be applied on both mating surfaces (EPDM and substrate) and gives immediate adhesion on contact. Paste Adhesive is applied only on the substrate and needs approximately 1-2 days to cure, depending upon weather conditions.

5. FAQ

Q. What should I do if I can't achieve the minimum width of bonding surface?

A. You should mechanically fix the EPDM to the substrate using Termination Bar and suitable fixings. If cladding is installed which places pressure on the EPDM, then the termination bar may not be necessary and temporary fixings may be used. Please consult with SealEco's Technical Department.

Q. Does the Cladseal SA and Cladseal SA-Fix always have to be mechanically fixed?

A. Yes, if the adhesive width is less than 100mm. During installation they must be mechanically secured to avoid sliding

Q. Can I stretch or fold the membrane during installation?

A. No. The membrane should not be stretched or folded during installation, as it will always try to return to its original state and may detach from the surface.

6. General information

All information in this installation manual 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.

7. Technical guidance

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

8. Contact details

Post address:

SealEco
P.O. Box 514
SE-331 25 Värnamo
Sweden

Phone: +46 370 510 100

Internet: www.sealeco.com

E-mail: info@sealeco.com

Personal e-mails:

firstname.surname@sealeco.com

Visiting and delivery address:

Kävsjövägen 38, Norregårds Industriområde
SE-331 35 Värnamo
Sweden

General Conditions of Delivery:

www.sealeco.com

The Cladseal System

The Cladseal System is the optimum material in the market to use for facade waterproofing, air sealing and damp proof course (often abbreviated to DPC). It is a complete system, which prevents rain and water from entering the buildings and prevents air leaks in the structure. The Cladseal System incorporates a range of products giving full freedom in construction and application of the weather sealing attachment against the window frame and/or load carrying structures, both at the outside and the inside walls of the building.

The Cladseal Service

To support and develop our customers is a key objective of the Cladseal Service. Our commitment to a “state-of-the-art” weather sealing package does not end with delivery of products to the building site. We remain your partner in providing individual engineered solutions, technical training and service in installation and construction, trouble shooting, development and logistics. Our technical support team is available to offer advice on the installation, specification, application and suitability for a particular project of all Cladseal systems. Our technical service engineers are also at your disposal for on-site training and advice and can provide information on the correct handling and techniques required to install the Cladseal systems.



SealEco

Post Address: P.O. Box 514, SE-331 25 Värnamo, Sweden

Phone: +46 (0) 370 510 100, **Fax:** +46 (0) 370 510 101

Email: info@sealeco.com, **Internet:** www.sealeco.com