



# Product Specification

## Superseal FRT

Superseal FRT is a fleece reinforced roofing membrane for use for exposed roofs either mechanically attached or adhered to substrate with PUR-adhesive or bonding bitumen. The product has external fire performance classification BroofT2.

All seaming is performed with hot air enabled by patented Thermobond technology.



### Technical data

Weight: 2.1 mm: 1.6 kg/m<sup>2</sup> Effective thickness: 2.1 mm: 1.1 mm

| Thickness (mm) | Width (m) | Length (m) | Packaging (rolls/pallet) |
|----------------|-----------|------------|--------------------------|
| 2.1            | 1.74      | 20         | 15                       |

### Physical properties

For detailed product data, please see corresponding Declaration of Performance.

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Approvals, Certificates & Specifications

CE EN 13956. BBA approval. More information available upon request.



# Product Specification

## Superseal T

Superseal T is a fleece reinforced roofing membrane for exposed roofs either mechanically attached or adhered to substrate with PUR-adhesive or bonding bitumen. It is also an alternative to Elastoseal membrane for ballasted roofs. The product has external fire performance classification FrootT in exposed installations.

All seaming is performed with hot air enabled by patented Thermobond technology.



### Technical data

Weight: 2.1 mm: 1.6 kg/m<sup>2</sup> Effective thickness: 2.1 mm: 1.1 mm

| Thickness (mm) | Width (m) | Length (m) | Packaging (rolls/pallet) |
|----------------|-----------|------------|--------------------------|
| 2.1            | 1.74      | 20         | 15                       |

### Physical properties

For detailed product data, please see corresponding Declaration of Performance.

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Approvals, Certificates & Specifications

CE EN 13956. More information available upon request.



# Product Specification

## Thermobond R Splice Strip

The Thermobond R (Reinforced) splice strip is used for making connections between membrane and for detail works like flashings and upstands. The product is built up by a top layer of EPDM and a bottom layer of Thermobond. The recommended width for connections membrane to membrane is 150 mm.



### Technical data

Reinforcement: Scrim of Polyester

| Width (m) | Thickness (mm) | Length (m) | Weight (kg/roll) | Max roll/pallet |
|-----------|----------------|------------|------------------|-----------------|
| 150       | 1.5            | 20         | 5.9              | 15x8            |
| 300       | 1.5            | 20         | 11.7             | 15x4            |
| 450       | 1.5            | 20         | 17.6             | 15x2            |
| 600       | 1.5            | 20         | 23.4             | 15x2            |
| 900       | 1.5            | 20         | 35.1             | 15x1            |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

Thermobond seaming technique is unique and patented by SealEco. Thermobond is based on a thermoplastic rubber (TPE-base) that can be seamed with conventional seaming methods for plastic material like hot air or hot wedge seaming. The Thermobond material is the base for a full range of accessories that gives good system solutions combining the unique properties of an elastomeric membrane with the seaming properties of the thermoplastics.

# Product Specification

## Thermobond Splice Strip

The Thermobond splice strip is used for making round shaped details like pipe boots or outlets. The product is built up by a top layer of EPDM and a bottom layer of Thermobond that can be melted for splicing.



### Technical data

Reinforcement: None

| Width (m) | Thickness (mm) | Length (m) | Weight (kg/roll) | Max roll/pallet |
|-----------|----------------|------------|------------------|-----------------|
| 150       | 1.5            | 20         | 5.9              | 15x8            |
| 200       | 1.5            | 20         | 7.8              | 15x6            |
| 450       | 1.5            | 20         | 17.6             | 15x2            |
| 600       | 1.5            | 20         | 23.4             | 15x2            |
| 900       | 1.5            | 20         | 35.1             | 15x1            |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

Thermobond seaming technique is unique and patented by SealEco. Thermobond is based on a thermoplastic rubber (TPE-base) that can be seamed with conventional seaming methods for plastic material like hot air or hot wedge seaming. The Thermobond material is the base for a full range of accessories that gives good system solutions combining the unique properties of an elastomeric membrane with the seaming properties of the thermoplastics.

# Product Specification

## Thermobond 100 Flashing

Homogenous Thermobond flashing for making 3-dimensional details like site build corners or irregulars shaped details during roof installations. Can also be used for trouble-shooting and repairs.



### Technical data

Reinforcement: None

| Width (m) | Thickness (mm) | Length (m) | Weight (kg/roll) | Max roll/pallet |
|-----------|----------------|------------|------------------|-----------------|
| 150       | 2.0            | 10         | 4.3              | 24x8            |
| 300       | 2.0            | 10         | 8.7              | 24x4            |
| 450       | 2.0            | 10         | 13.0             | 24x2            |
| 600       | 2.0            | 10         | 17.3             | 24x2            |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

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# Product Specification

## Thermobond Corner

Thermobond corners are used for covering inside/outside corners in combination with Thermobond R splice strip. The corners are spliced with hot air.



### Technical data

| Product        | Thickness (mm) | Size (mm)    | Package (pcs/box) |
|----------------|----------------|--------------|-------------------|
| Inside corner  | 2.5            | H:100, W:100 | 40                |
| Outside corner | 2.5            | H:100, W:225 | 40                |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

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# Product Specification

## Thermobond Pipe Boot

Thermobond pipe boots are used for covering of pipe penetrations. The product has a flange for seaming to the membrane with hot air. Choose open pipe boot when the circumstances don't allow the pipe boot to be pulled over the pipe from the top.



### Technical data

| Product                        | Diameter (mm) | Height (mm) | Flange (mm) |
|--------------------------------|---------------|-------------|-------------|
| Thermobond pipe boot           | 50            | 250         | 300x300     |
|                                | 70            | 250         | 300x300     |
|                                | 90            | 250         | 300x300     |
|                                | 100           | 250         | 300x300     |
|                                | 125           | 250         | 400x400     |
|                                | 150           | 250         | 400x400     |
| Thermobond pipe boot<br>- open | Diameter (mm) | Height (mm) | Flange (mm) |
|                                | 50            | 250         | 300x300     |
|                                | 70            | 250         | 300x300     |
|                                | 90            | 250         | 300x300     |
|                                | 100           | 250         | 300x300     |
|                                | 125           | 250         | 400x400     |
|                                | 150           | 250         | 400x400     |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

Thermobond seaming technique is unique and patented by SealEco. Thermobond is based on a thermoplastic rubber (TPE-base) that can be seamed with conventional seaming methods for plastic material like hot air or hot wedge seaming. The Thermobond material is the base for a full range of accessories that gives good system solutions combining the unique properties of an elastomeric membrane with the seaming properties of the thermoplastics.



# Product Specification

## Thermobond Steel Plate 2x1 m

Thermobond Clad Metal is used for perimeter profiles and can be cut and folded like ordinary galvanized steel sheets. The steel is galvanized and 0.6 mm thick laminated with a 0.3 mm Thermobond layer which makes it possible to weld other Thermobond based accessories.



### Technical data

| Width (m) | Length (m) | Thickness (mm) | Weight (kg/m <sup>2</sup> ) | Package (pcs/pallet) |
|-----------|------------|----------------|-----------------------------|----------------------|
| 1         | 2          | 0.9            | 4.6                         | 50                   |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

Thermobond seaming technique is unique and patented by SealEco. Thermobond is based on a thermoplastic rubber (TPE-base) that can be seamed with conventional seaming methods for plastic material like hot air or hot wedge seaming. The Thermobond material is the base for a full range of accessories that gives good system solutions combining the unique properties of an elastomeric membrane with the seaming properties of the thermoplastics.

# Product Specification

## Thermobond Hot Melt Sealant 4mm x 30m

Thermobond hot melt sealant is used to level differences in height at splice areas at T-joints and Cross-joints.

### Technical data

| Diameter (mm) | Roll length (m) |
|---------------|-----------------|
| 4             | 30              |



### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

Thermobond seaming technique is unique and patented by SealEco. Thermobond is based on a thermoplastic rubber (TPE-base) that can be seamed with conventional seaming methods for plastic material like hot air or hot wedge seaming. The Thermobond material is the base for a full range of accessories that gives good system solutions combining the unique properties of an elastomeric membrane with the seaming properties of the thermoplastics.

# Product Specification

## Thermobond PE Drain

Roof drain equipped with a collar of Thermobond that makes it heat spliceable to the membrane. The drain can be used horizontally as overflow. The pipe is made of polyethylene.



### Technical data

| ø, pipe (mm) | Length (mm) | Collar (mm) | Package (pcs/carton) |
|--------------|-------------|-------------|----------------------|
| 63           | 500         | 300x300     | 10                   |
| 75           | 500         | 300x300     | 10                   |
| 90           | 500         | 300x300     | 8                    |
| 110          | 500         | 400x400     | 6                    |
| 125          | 500         | 400x400     | 4                    |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

Thermobond seaming technique is unique and patented by SealEco. Thermobond is based on a thermoplastic rubber (TPE-base) that can be seamed with conventional seaming methods for plastic material like hot air or hot wedge seaming. The Thermobond material is the base for a full range of accessories that gives good system solutions combining the unique properties of an elastomeric membrane with the seaming properties of the thermoplastics.

# Product Specification

## Thermobond PC Drain

Roof drain equipped with a 500x500 mm collar of Thermobond flange that makes it heat spliceable to the membrane. The pipe is 0.8 mm thick and made of Stainless Steel.



### Technical data

| ø, pipe (mm) | Length (mm) | Collar (mm) | Flow rate (L/sec) | Package (pcs/carton) |
|--------------|-------------|-------------|-------------------|----------------------|
| 60           | 300         | 500x500     | 1.6               | 5                    |
| 90           | 300         | 500x500     | 5.2               | 5                    |
| 110          | 300         | 500x500     | 8.9               | 5                    |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Thermobond

Thermobond seaming technique is unique and patented by SealEco. Thermobond is based on a thermoplastic rubber (TPE-base) that can be seamed with conventional seaming methods for plastic material like hot air or hot wedge seaming. The Thermobond material is the base for a full range of accessories that gives good system solutions combining the unique properties of an elastomeric membrane with the seaming properties of the thermoplastics.

# Product Specification

## Contact Adhesive 5000

Contact Adhesive 5000 is a ready-for-use contact adhesive for adhering EPDM and Butyl membranes to dry substrates (such as wood, concrete and metals).

### Technical data

|                             |  |
|-----------------------------|--|
| <b>Base:</b>                | Synthetic rubber and synthetic resins, dissolved in inflammable organic solvents         |
| <b>Colour:</b>              | Black  |
| <b>Flash point:</b>         | Below 0°C  |
| <b>Viscosity (at 20°C):</b> | 2500 ±500 mPa.s  |
| <b>Solids:</b>              | 41±2 %   |
| <b>Density (at 20°C):</b>   | 865±10 kg/m <sup>3</sup>   |
| <b>Shelf life:</b>          | max. 12 month, provided that the glue is kept in a cool place in a well-sealed container |



### Package

|                        |                          |
|------------------------|--------------------------|
| 0.9 kg (1 litre)/can   | 12.5 kg (14.4 litre)/can |
| 432 cans/pallet        | 33 cans/pallet           |
| 5.3 kg (6.1 litre)/can | 25 kg (28.9 litre)/can   |
| 60 cans/pallet         | 24 cans/pallet           |

### Consumption/coverage

0.5 kg/m<sup>2</sup> (0,25kg/side)

### Direction for use

Contact Adhesive 5000 is ready for use but can if necessary be thinned with Cleaning Wash 9700 (max. 10 %) or toluene. Contact Adhesive 5000 must not be thinned or mixed with other products.

The adhesive must only be processed in dry weather conditions at temperatures of at least + 5 °C. The material and the base to be glued must also be dry and clean. Contact Adhesive 5000 should be applied with a stiff brush or a finely-toothed glue spatula. Contact Adhesive 5000 should be applied to both sides.

### Suitable substrates

Contact Adhesive 5000 provides an excellent adhesion on many materials, such as EPDM/Butyl rubber, hard PVC, acrylic glass, SVS, RVS, stone, concrete, light weight concrete, lead, wood and bituminous substrates.

The substrates must be clean, free from oil and grease, and dry. Wet substrates or substrates covered with moisture must be dried by means of hot air before adhering.

### Warning

Contact Adhesive 5000 is highly flammable. Keep away from open fire.

The solvents in Contact Adhesive 5000 are extremely harmful to polystyrene foam.

Contact Adhesive 5000 is only suitable for by SealEco approved EPDM and Butyl membranes.

# Product Specification

## PUR Adhesive 3200

PUR Adhesive 3200 is used for adhering Superseal on different substrates. As a result of its special formulation, in which physical drying and chemical cross linking have been combined, the penetration of the adhesive is limited also when strong absorbing materials are concerned.

### Technical data

|                             |  |
|-----------------------------|--|
| <b>Base:</b>                | Polyurethane prepolymer                              |
| <b>Colour:</b>              | Yellowish brown                                      |
| <b>Flash point:</b>         | <0°C   |
| <b>Viscosity (at 20°C):</b> | 6.000 ±1.750 mPa.s                                   |
| <b>Solids:</b>              | 83±2 %   |
| <b>Density (at 20°C):</b>   | 1.000±10 kg/m <sup>3</sup>                           |
| <b>Shelf life:</b>          | 9 months if stored cool in unopened original packing |



### Package

6kg (6 litre) / metal tin  
 10kg (10 litre) / metal tin  
 20kg (20 litre) / metal tin

### Consumption

PUR Adhesive 3200 is applied in beads. Punch holes approximately Ø 6 mm spaced 50 mm in the can and spread the adhesive. The coverage shall be approximately 0,3 kg/m<sup>2</sup>. Splice areas on the membrane shall be kept free from adhesive. Wait (5 – 10 minutes) until the adhesive starts to swell and whiten before you roll out the membrane. Use a broom to brush the membrane so it is pressed down into the adhesive and lays smooth on the roof.

### Open time

Do not spread the adhesive over larger roof areas than you can cover in approximately 20 minutes.

### Setting time

Depending on temperature and humidity: 1 - 5 hours.

In case of dry substrates and low humidity, substrates or covering material should be moistened.

Minimum processing temperature is + 5 °C.

In case of temperatures between + 5 and + 15 °C it is recommended to pre-warm the adhesive to maximum + 50 °C before use.

### Suitable substrates

Concrete, light weight concrete, wood, mineralized bituminized roofing material, etc.

Substrates should be solid, clean and free from ponding water.

PUR Adhesive 3200 should not be used to adhere directly to polystyrene or mineral wool insulation without suitable facing.

### Warning

PUR Adhesive 3200 is highly flammable.

PUR Adhesive 3200 is only suitable for Superseal fleece backed membranes.

# Product Specification

## Cleaning Wash 9700

Cleaning Wash 9700 is a technical petrol used for cleaning weathered rubber membranes before installation and repair.

### Technical data

|                           |  |
|---------------------------|--|
| <b>Base:</b>              | Naphtha (petroleum), hydrogen processed light 100% |
| <b>Colour:</b>            | Colourless liquid                                  |
| <b>Flash point:</b>       | < 0°C  |
| <b>Density (at 20°C):</b> | 690-720 kg/m <sup>3</sup>                          |
| <b>Shelf life:</b>        | 6 months in unopened package*                      |



### Package

5 litre/plastic can  
1 litre/plastic bottle

### Consumption/coverage

4-5 m<sup>2</sup>/litre

### Warning

Cleaning Wash 9700 is highly flammable. Keep away from open fire.

# Product Specification

## Sealant 5590

Neutral, elastic one-component joint sealant based on silicones. Sealant 5590 has excellent adhesion to rubber and most substrates. The sealant is used for repairs or sealing against substrates.

### Technical data

|                           |  |
|---------------------------|--|
| <b>Base:</b>              | Silicon  |
| <b>Colour:</b>            | Black  |
| <b>Flash point:</b>       | Not applicable   |
| <b>Density (at 20°C):</b> | 1.25 g/ml  |
| <b>Shelf life:</b>        | 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C |



### Package

310 ml/cartridge  
15 cartridges/carton

### Consumption

8-12 m/cartridge

### Direction for use

Method: Caulking gun.

Application temperature: +1°C to +30°C

Clean: With Cleaning Wash 9700 immediately after use.

Resplicing: Before resplicing with Thermobond strip or Contact Adhesive 5000 all mastic should be grinded away.

### Suitable substrates

Type: All usual building surfaces.

State of Surface: Clean, dry, free of dust and grease.

Preparation: Apply Primer 9800 for applications on porous surfaces – no primer required for non-porous surfaces.

We recommend a preliminary compatibility test.



# Product Specification

## Welding handgun Sievert DW 2000 incl. nozzle

Used for heatsplicing of membranes and details.

### Technical data

| Voltage (V) | Power cons. (W) |
|-------------|-----------------|
| 230         | 2000            |



### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Direction for use

Set the heat to a temperature that is adapted for your welding speed. The material should melt but there shouldn't be any white smoke. After heating the material it should be pressed tight with silicone roller.

Sievert hand gun features:

- Outstanding air flow and pressure
- Ergonomically designed handle with soft grip for even greater comfort
- Light weight design reduces fatigue when used for long periods of time
- Fully adjustable temperature control
- LED display shows precise temperature readout.
- Automatic cool down mode for safe use and prolongs the life of heating element
- In-built voltmeter which indicates the incoming voltage.

# Product Specification

## Brass or Silicone Pressure rolls

Used to ensure proper bonding between details and membranes.

### Technical data

| Product                | Width roller (mm) | ø roller (mm) |
|------------------------|-------------------|---------------|
| Brass pressure roll    | 6                 | 28            |
| Silicone pressure roll | 45                | 32            |



### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Direction for use

Press the surfaces together and roll until adequate bonding is reached. Heating the surfaces may be compulsory in order to make the surfaces properly bonded. Read the corresponding installation manual for more information.

# Product Specification

## Grinding Equipment

Grinding machine Flex for refreshing oxidized rubber surface before splicing. The machine is delivered with adaptation rings to fit the width of the grinding disc.

### Technical data (Grinding machine Flex)

|                            |  |
|----------------------------|--|
| <b>Voltage:</b>            | 220 Volt                                   |
| <b>Power input:</b>        | 1200 Watt                                  |
| <b>Power output:</b>       | 700 Watt                                   |
| <b>Max. tool Ø:</b>        | 115 mm                                     |
| <b>Tool width:</b>         | 100 mm                                     |
| <b>Tool fixture:</b>       | 19 mm                                      |
| <b>Speed without load:</b> | 1200-3700 rpm (recommended speed 2000 rpm) |
| <b>Weight:</b>             | 3.1 kg                                     |



### Technical data (Grinding disc, nylon)

|                      |        |
|----------------------|--------|
| <b>Diameter:</b>     | 100 mm |
| <b>Width:</b>        | 50 mm  |
| <b>Tool fixture:</b> | 19 mm  |

### Storage

Store cool and dry in the original packaging. There are no limitations in shelf life.

### Direction of use

Set the speed to approx. 2500 rpm. Grind the splice areas with some pressure put to the machine but without exaggerating. It is only the very surface of the membrane that should be refreshed.

# Product Specification

## Protection Tape

For the protection of splice areas from airborne contamination and UV-radiation during longer abruption in the installation. Must be removed before Thermobond splicing.

### Technical data

| Width (mm) | Length (m) | Package (pcs/carton) |
|------------|------------|----------------------|
| 75         | 33         | 12                   |



### Storage

Store cool and dry in the original packaging. Maximum shelf life is 12 months.