

# Sealgun SS

High performance – APP modified waterproofing membrane polyester reinforced



## Description

Sealgun SS is a factory preformed APP modified bituminous waterproofing and roofing membrane polyester reinforced.

Manufactured in 3 and 4 mm thickness in plain and 3 and 4 kg/m<sup>2</sup> mineral finish.

## Applications

Sealgun SS due to its high malleability, it is specially designed for effective use in the waterproofing of below grade structures, foundations, basements, plazas, as well as in new roofing, re-roofing, maintenance roofing, flashing, and any where a high performance waterproof membrane is required in commercial, industrial, residential, institutional and other civil engineering applications.

## Advantages

Sealgun SS is factory manufactured five layer membrane namely: polyethylene film or sand finished or slated finished facing, APP modified bitumen compound, non woven polyester reinforcement weighing 180 g/m<sup>2</sup>, APP modified bitumen compound and flammable polyethylene base film. This balanced combination of plastomeric compound and polyester reinforcement provides Sealgun SS membranes with excellent mechanical properties.

The polyester reinforcement provides the membrane with excellent dimensional stability and puncture resistance. The specially formulated mixture of APP modified bitumen gives the membrane:

- ▲ Excellent resistance to atmospheric agents and chemical attacks.
- ▲ High malleability to accommodate difficult applications as well as structural movements.
- ▲ High flexibility for applications at below zero temperatures with no physical strains.

The plastomeric compound and the properties of the reinforcement are carefully and correctly balanced to obtain excellent tensile strength, tear resistance, elongation and puncture resistance.

## Technical Properties:

Reinforcement:	180 g/m <sup>2</sup> , non-woven polyester
Thickness: EN 1849-1	3 or 4 mm ± 10%
Flow resistance at elevated temperature: EN 1110	≥ 120°C
Impact resistance: EN 12691	≥ 1000 mm
Tensile strength L/T: EN 12311-1	750/650 N/5 cm ± 20%
Elongation L/T: EN 12311-1	50/50 ± 15%
Tear resistance L/T: EN 12310-1	150/150 N ± 30%
Resistance to static loading: EN 12730 (A)	≥ 15 kg
Flexibility at low temperature: EN 1109	< 0°C
Watertightness: EN 1928, Method A	≥ 60 kPa
Resistance to water vapour diffusion: EN 1931	20,000 μ
Reaction to fire: EN 13501-1	Class E
Resistance to external fire: EN 13501-5	Class F roof

## Method of Use

Sealgun SS is applied by propane gas torch to a prepared substrate.

The following are general guidelines for installation:

## Priming

Use D-41 PRIMER on concrete decks and up stands.

# Sealgum SS

## Alignment

Unroll Sealgum SS rolls and check for alignment before bonding. Overlaps should be minimum 100 mm along the sides and not less than 150 mm at roll ends. Re-roll Sealgum SS and prepare for bonding.

## Bonding

Use propane gas torch to heat substrate and underside of Sealgum SS membrane until the clear polyethylene film is burned away and the polymeric compound begins to melt (its colour turns from shiny to matt). Press membrane firmly against substrate.

## Sealing

Excess compound should be smoothed and pressed into the seam (using hot trowel).

## Flashing

Flash all terminations, up stands and projections through the slab.

## Packaging

Sealgum SS is available in 1 x 10 m roll size.

## Availability

Sealgum SS is available through authorized dealers in the area.

## Storage

All roofing should be inspected periodically. Check the condition of the protective elements. Accidentally damaged or worn areas can be patched by using the same material.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

## Cautions

### Health and Safety

Installation works of torch-applied bituminous membranes should be executed in well ventilated areas. Use gloves and keep flames directed away from body and flammable materials.

For further information refer to the Material Safety Data sheet.

### More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

#### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

