

	<b>PELESEAL</b>
	<b>Acrylic Waterproof Roof Coating</b>

**Description**

A high quality acrylic waterproof roof coating. It yields a flexible watertight membrane. It is ideal for concrete or tiled roofs. Due to its white colour it reduces the internal temperature of buildings during the warm summer months. It is water soluble, therefore there is no risk of ignition during application. It exhibits high adhesion to the substrate.

**Technical Specifications**

Vehicle type	:	Styrene / Acrylic copolymer
Specific Gravity	:	1.16±0.02
Volume solids	:	51±1%
Weight solids	:	58±1%
Viscosity	:	101±3KU's
Coverage (on a smooth surface)	:	3-6m <sup>2</sup> /L / coat
Dilution	:	Prime coat up to 25% by volume Finishing coat up to 5% by volume
Drying time at 25°C and relative humidity 50%	:	Touch dry: 1 hour Recoat: 24 hours depending on weather conditions
Flash point	:	Non-flammable
<b>EU limit value for this product (cat. A/i): 140g/l (2010). This product contains max 10g/l VOC</b>		

**Water Permeability (DIN 1043)**

PELESEAL was applied on water permeable concrete at a rate of 1kg/m<sup>2</sup>. After maturing, for 8 days, pressure was applied as shown below:

- 1 atmosphere for 48 hours.
- 3 atmospheres for 24 hours.
- 7 atmospheres for 24 hours.

There was no water leakage or moistening of the samples at any stage during the trial.

**Elongation / Tensile strength**

	<u>Elongation (%)</u>	<u>Tensile strength (N/mm<sup>2</sup>)</u>
Prior to curing	510	3.5
Curing 1 week/50°C	370	4.6
Curing 1 week/70°C	350	5.6

**Vapour Permeability**

Sd=3.5m (corresponds to a layer of 3.5m of air).

**UV Resistance**

No cracking or corrosion was observed, following exposure of 7 weeks under a 1200W lamp.

**Thermal Fatigue**

PELESEAL was applied on concrete tiles and tested. After curing for 8 days, the samples were tested for 5 cycles (each cycle runs for 24hrs). Each cycle included exposure of the specimen for 6 hours at -15°C and then for 18 hours at 100°C. The test did not show any changes to the specimen.

### Artificial Ageing Test (ASTM G-23)

Concrete tiles were coated with **PELESEAL** and left to age for 8 days. The samples were then artificially aged (artificial light and periods of 18 minutes of light rain every 102 minutes) for 160 hours. No changes in the appearance or adhesion of the membrane were observed.

### SURFACE PREPARATION

Surfaces should be dry and clean before applying **PELESEAL**. In case of efflorescence, clean with a hard brush. Fungi or other microorganisms are carefully cleaned off from the surface prior to application of **PELESEAL**. Surface must be free of moisture prior to application. Cracks on the surface are repaired and if necessary reinforced with plastic grid before coating. In this case two additional coats are applied so that the reinforcement is completely covered. Reinforcement with a plastic grid is also required if the roof will have heavy traffic, construction loads or when the roof exhibits expansion and/or contraction.

### APPLICATION

**Thinning/Cleaning:** Tap water.

**Application tools:** Brush, Roller, Conventional or Airless spray.

**Application Temperature:** Ideal temperature for the application should be between 5-35°C and the relative humidity should not exceed 80%.

Stir well and apply one coat as a primer (up to 25% dilution) and at least one coat as a finishing coat (up to 5% dilution). Each coat is applied in a crosswise direction to the previous one. Do not apply if rain is expected or high humidity is forecasted or before the previous coat has completely dried (6-8 hours from application).

**Cleaning of Tools:** Remove as much material as possible from tools and clean immediately with water and detergent solution.

**PACKING:** 1L, 5L, 10L, 20L.

**COLOURS:** White & Brick Red.

**STORAGE:** Store in a dry place, away from direct sunlight and/or extreme temperatures. Close the container after application.

- Keep out of reach of children.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed, seek medical advice immediately and show the container or label.
- It contains a biocidal product. It contains 5-Chloro-2-methyl-4-isothiazolin-3-one (EC no. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EC no. 220-239-6) (3:1). May produce an allergic reaction.
- Apply only in well ventilated areas.
- Do not empty into drains.
- Avoid release to the environment.
- For more information please refer to Safety Data Sheet.

### WASTE MANAGEMENT

Do not empty surplus paint into drains, and do not dispose together with household refuse. Advice regarding disposal and collection should be sought from the local authorities.

**Note:** *The information supplied in our literature or given by our employees, agents or distributors concerning the use of our products is based upon extensive experience and given in good faith in order to help you. We guarantee the consistent high quality of our products; however, as we have no control over site conditions of the executions of work, we cannot accept any liability for any loss or damage, which may arise as a result thereof.*