



Garlathane Detail

PRODUCT DESCRIPTION

GARLATHANE DETAIL is a liquid-applied, thixotropic, permanent elastic, fibre-reinforced, cold applied and cold curing, one component polyurethane membrane used for long-lasting waterproofing.

Cures by reaction with ground and air moisture.

PRODUCT ADVANTAGES

- Simple application (roller or brush)
- It forms seamless membrane without joints or leak possibilities.
- Resistant to water and rain
- Resistant to frost
- Provides water vapour permeability
- Full surface adherence without any additional anchoring
- Maintains its mechanical properties over a temperature span of -30°C to +80°C
- If the membrane gets mechanically damaged, it can be easily repaired locally within minutes
- Cold applied application with no use of naked flame

USES

GARLATHANE DETAIL is mainly used to create waterproof seals on difficult and complex roofing details such as:

- Wall-floor connections
- Flashings and 90° angles
- Lightdomes
- Roof lights
- Chimneys
- Pipes and roof penetrations

COVERAGE RATES

1.5 – 3.5 kg/m² depending on application.

SURFACES

GARLATHANE DETAIL is mainly used to create waterproofseals between different construction materials such as :

- Bitumen felts
- PVC membranes
- Concrete / Mortar / Cement screed
- Various Metals
- Wood, etc

COLOURS

GARLATHANE DETAIL is supplied in grey.

APPLICATION

Surface Preparation

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be clean, dry and sound, free of any contamination, which will affect the adhesion of the membrane. New concrete surfaces need to dry for at least 28 days. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothened. Any loose surface pieces and grinding dust need to be thoroughly removed.

WARNING: Do not wash surface with water immediately prior to coating application. If pressure washing the substrate adequate time must be allowed for the surface to completely dry.

Priming

Please refer to your Garland Technical Representative for information on primers.

Waterproofing membrane

Stir GARLATHANE DETAIL slowly and well with wooden staff before using. Do not use a mechanical drill.

Apply the GARLATHANE DETAIL onto the prepared and/or primed surface by roller or brush, until all surface is covered.

If necessary apply a second layer.

ATTENTION: Do not apply the GARLATHANE DETAIL when the ambient temperature is below 5°C during the application and 4 hours afterwards, on surfaces with a temperature below 5°C, on frozen surfaces, during rain or mist, on wet Primer and on surfaces with ascending humidity. Low temperatures retard cure while high temperature speed up curing.

WARNING: The GARLATHANE DETAIL is slippery when wet. In order to avoid this, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface.

PACKAGING

GARLATHANE DETAIL is supplied in 6kg pails.

Pails should be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: 5°-30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

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Technical Data	Results	Test Method
Composition	Polyurethane high-solids pre-polymer	
Elongation at Break	> 250 %	ASTM D 412
Tensile Strength	> 2 N/mm ²	ASTM D 412
Water Vapour Permeability	> 20 gr/m ² per 24 hours	ISO 9932:91
Resistance to Water Pressure	No Leak (1m water column, 24h)	DIN EN 1928
Adhesion to concrete	>2,0 N/mm ² (concrete surface failure)	ASTM D 903
Hardness (Shore A Scale)	65-70	ASTM D 2240
Application Temperature	5°C to 35°C	
Rain Stability Time	3-4 hours	
Light Pedestrian Traffic Time	12-18 hours	Conditions: 20°C, 50% RH
Final Curing time	7 Days	
Chemical Properties	Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils.	

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