

# **Gray Coat**

# Single Component Liquid Applied Waterproofing Membrane

**Technical Data** 

Properties	Test Method	Technical Data
Solids (Wt%)		51
Colour & Appearance Wet		Gray, Soft Cream (V) Or
colour a Appearance wet		Cream Liquid (H)
Colour & Appearance Cured		Light Gray, Strong, Flexible
		Translucent Film
Bond Strength (Elcometer) To		>95 Psi (>0.66 Mpa)
Concrete		
Tensile Strenght	ASTM D412	390 Psi (2.73 Mpa)
Elongation	ASTME D412	340%
Hardness Shore A	ASTM D2240	77
Water Vapour Permeance	ASTM E96, PROCEDURE B	0.5956 Perms Or 34.2
		Ng/Pa.S. M <sup>2</sup>
Plastic Flow (@60°C For 5		None
Hrs) (Concrete Substrate)		
Low Temperature Flexibility	ASTM C957	Complies
& Crack Bridging		
Service Temperature		From -25°C(-13°F) To 95 °C
		(201°F)
Application Temperature		Above 0°C (32°)
Chemical& Environmental		Excellent Resistance To Salts,
Resistance		Alkali, Diluted Acid, Fungi,
		Bacteria.
		Poor Resistance To Aromatic
		Solvents
Coverage		13.94 M² (150 Sq.Ft.)/ 20
Application Rate		Liter Pail
Wet Film Thickness		60 Mil (1.53 Mm)
Cured Film Thickness		30 Mil (0.77mm)

#### Description

**GRAY COAT** is a single component liquid applied, water based, waterproofing membrane. **GRAY COAT** uniquely combines the features of a sealer and an elastomeric waterproofing membrane. Its high solid and low viscosity make this material effective for waterproofing and sealing concrete, asphalt, wood, metal and other common surfaces. **GRAY COAT** is easy to apply and when cured, it provides a tough, highly flexible seamless membrane, with excellent adhesion to most substrates. **GRAY COAT**, when fully cured, is highly resistant to water and salts. **GRAY COAT**, is water based and does not contain any volatile or harmful solvents, thus eliminating health and environmental consideration during application.

#### Usage

**GRAY COAT** has been specifically formulated as a waterproofing membrane. It may be applied to all common surfaces and suitable for both new construction and restoration.

Typical applications include below grade foundation wall waterproofing, horizontal, sloped and vertical surfaces such as:

- Below grade walls
- Mechanical rooms
- Between slabs
- Shower rooms
- Planters
- Reflection pools
- Podium decks
- Balconies
- Reservoirs and tanks
- Asphalt, tiles etc.

#### Limitations

**GRAY COAT** is not designed to perform as a membrane for permanent exposure to UV or heavy traffic. In such applications, the use of GRAY COAT in combination with traffic topping wearing course or exterior weather resistant surface is required.

Do not apply when surface and air temperature is below 1°C (35°F). Fresh membrane must be protected for freezing or heavy rain. Do not apply when rain or severe drop in

temperature (below 0°C) is imminent. Material may be water damaged in the early stage of cure.

# **Surface Reparation**

Substrate should be clean, sound, dry and free of any contaminants which may affect the membrane during or after cure. The presence of small amount of moisture in the substrate (such as in concrete, not fully cured) will not be detrimental to the performance of **GRAY COAT**.

#### Application

**GRAY COAT** may be sprayed, brushed or trowel applied.

# **Curing & Drying**

Allow the material to dry at air and surface temperature of 2°C (35°F) or higher. Curing times will be affected by relative humidity temperature and air flow. The following times are given for average conditions and standard thickness. Actual times may differ depending on specific conditions present on job at time of application.

- Track free film 2 to 5 hours
- 60% cure 7 days
- 90% cure 28 days

It is recommended that GRAY COAT be allowed to air dry to a tack free , gray film before application of specified insulation, protection board or other cover.

## Clean-Up

Uncured material can be cleaned using light soap and water. Cured material is best removed by xylol or by mechanical means.

## Storage & Handling

Keep containers tightly sealed. Store in temperature range of 2°C to 30°C (35°F to 95°F).

KEEP FROM FREEZING.

SHELF LIFE: Indefinite in original sealed properly stored container.