



4.06 FAST MEMBRANE 905

A Flexible two part waterproof cementitious Membrane

DESCRIPTION

Fast Membrane 905 is a two part flexible water proofing & protective coating, composed of best quality Portland cement, properly selected & graded aggregates, additives & acrylic emulsion polymer as a binder. Fast Membrane 905 reacts chemically after mixing to form a hard and flexible film which bonds tenaciously to most concrete or masonry substrates. Fast Membrane 905 prevents intrusion of water, yet allows entrapped moisture to be released.

USES

- Cast-in-place and pre-cast concrete.
- Brick, block, stucco, unglazed terracotta.
- Porous stone, masonry substrates.
- Exterior or interior,
- Above or below grade applications.
- All types of structures in industrial, commercial and residential areas, coastal environments.
- To reface and even out variations in concrete surfaces.
- Waste water treatment plants.
- To protect exposed steel rebars from corrosion.
- As a waterproof coating for roofs.
- To provide protection to concrete surfaces from carbonation and chloride attack.
- As lining for water retaining structures.
- Potable water tanks.
- Basements, terraces, balconies and roof gardens.

ADVANTAGES

- Fast Membrane 905 is highly resistant to standing water or wind driven rain and is intended for use on vertical and horizontal surfaces
- Waterproof, Allows water vapor to escape from the structure
- Highly resistant to the effect of long term weathering

- Durable in all climatic conditions
- Non-toxic
- Excellent bond to concrete and masonry
- Does not require over coating
- Flexible
- Fast Membrane 905 can be applied on 24 hour old concrete thereby giving immediate protection
- Flexible

PROPERTIES

Typical properties of mixed material:

Pot life at 20°C:	1 Hour
Bridge crack up to 2mm:	Passed
Density:	1.75 Kg/ltr
Adhesion	2 to 3 N/mm ² (ASTM D4541)
Modulus of elasticity:	19000 N/mm ² Approx.
Coefficient of thermal expansion	13.10-6 Approx.
Hardness Shore A	>83 (ASTM D2240-91)
Flexural strength	10 N/mm ² (According to EN196-1) 28 Days
Tensile strength	4 N/mm ² (According to DIN53455) 14 Days
Elongation at break	200% (ASTM D 412-92)
	28 Days Store in dry and cool place below 35°C. Protect from direct sun light.

STORAGE SHELF LIFE

12 months if stored properly in original unopened packaging.

INSTRUCTION FOR USE

Surface preparation:

All surfaces to be coated must be clean and structurally sound. Chip, sand or shot blast, wet blast or high pressure water wash to remove all foreign matter, dust, dirt, paints, oils, grease, coatings, laitance or any other surface contaminants. All static crack or breaks, void or honeycombing larger than 1/32" should be cut out and repaired with poly mer modified repairing mortar.

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