



# 4.07 XPERT Seal Flex

## High Flexible Two-Part Waterproof Cementitious Membrane

### PRODUCT DESCRIPTION

XPERT Seal Flex is a two-part flexible water proofing & protective coating, composed of best quality Portland cement, properly selected & graded aggregate, additives & acrylic emulsion polymer as a binder. XPERT Seal Flex react chemically after mixing to form a hardened flexible film which bonds tenaciously to most concrete or masonry substrates. XPERT Seal Flex prevents instruction of water, yet allow entrapped moisture to be released.

### USES

- Cast in place and precast concrete.
- Brick, block, stucco, unglazed terracotta.
- Porous stone, masonry substrates.
- Exterior or Interior
- Above or below grade applications.
- All types of structures (industrial, commercial & residential areas) coastal environment.
- Reface & even variations concrete surfaces.
- Waste water treatment plants.
- Protect exposed steel rebars from corrosion.
- As a water proof coating for roofs.
- To provide protection to concrete surfaces from carbonation and chloride attack.
- As aligning for water retaining structures.
- Portable water tanks.
- Basements, terraces, balconies and roof gardens.

### ADVANTAGES

- XPERT XPERT Seal Flex is highly resistant to standing water of 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 so long-term weathering.
- Durable in all climatic conditions
- Excellent bond to concrete and masonry
- Does not require over coating.
- XPERT Seal Flex can be applied on 24 hours old concrete there by giving immediate protection.

### PROPERTIES

CATEGORY	PARAMETERS
Pot life at 20°C	1 hour
Bridge Crack up to 2 mm	Passed
Density	1.75 Kg / ltr
Adhesion	2 to 3 N/mm <sup>2</sup> (ASTM D 4541)
Modulus of elasticity	19000 N/mm <sup>2</sup> Approx.
Co-efficient of Thermal Expansion	13.10-6 Approx.
Hardness Shore A	>83 (ASTM S 2240-91)
Flexural Strength	190 N/mm <sup>2</sup> (According to EN 196-1) 28 days
Tensile Strength	4 N/mm <sup>2</sup> (According to DIN 53455) 114 days
Elongation at break	200 % (ASTM D 412-92) 28 days store in dry and cool place below 35°C. Protect from direct sunlight.

### STORAGE SHELF LIFE

12 months if stored properly in original unopened packaging.

### INSTRUCITON 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 and other surface contaminants.