

## BUILDFLEX

### Elastomeric polymer modified cementitious breathable waterproof coating

**DESCRIPTION :** BUILDFLEX is a two pack polymer modified cementitious waterproof coating system.

**STANDARDS :** BUILDFLEX complies with ASTM D-4060, D-4541, D-412 & C-836

#### USES

- ❖ Waterproofing of roof/terrace and terrace garden .
- ❖ Waterproofing of water storage tanks, swimming pool.
- ❖ Damp-proofing, arresting of carbonation/efflorescence over concrete/mortar/brick work surfaces.
- ❖ Coating of external walls in basements.
- ❖ All types of structures in coastal environment

#### FEATURES

- ❖ Excellent adhesion to sound and prepared surfaces of most building materials.
- ❖ Easy to apply, ready to use packs – only mixing required at site.
- ❖ Anticorrosive to steel.
- ❖ Protection against carbonation, efflorescence and salt petering.
- ❖ Highly UV resistant.
- ❖ Allows concrete to breath.
- ❖ Non-toxic, safe for application in drinking water storage tanks.
- ❖ Flexible to accommodate thermal expansion

#### APPLICATION AND MIXING

Surfaces should be sound, clean and free from loose particles, dirt and dust, oils, grease etc. Visible cracks to be filled with pasty BUILDFLEX, and undulations, if any, should be made good. Pre-wetting to be carried out and saturated dry surfaces should be made prior to application of BUILDFLEX.

Fibre glass cloth should be laid on the first coat when it is still green. Second coat may be applied after 6-7 hours of the first coat.

Moist curing is advisable to protect the coating from getting damaged, cover the treated surface with 1:6 cement/sand 15mm thick mortar.

#### TECHNICAL DATA

Two pack system	Pack A	Milky white liquid
	Pack B	Cementitious grey powde
Mixing ratio	:	1 : 4 (1 part polymer & 3 parts powder)
Compressive strength	:	20 N/mm <sup>2</sup> at 28 days
Bond strength	:	2 N/mm <sup>2</sup> at 28 days
Static crack bridging Capacity:	:	1mm
Fresh wet density, kg/m <sup>3</sup>	:	2000 (approximately)
Pot life of the mixed material at 30°C	:	20-30 minutes
Coating required	:	Two (minimum)
Coverage	:	2 kg / sq. mtr. per 1 mm thickness
Shelf life	:	1 year if unopened.
Packing	:	100 kgs., in pre weighed quantities of Packs A & B
Health & safety	:	Non-toxic, non-inflammable, eco-friendly.