

# Advance Flex<sup>™</sup>

## High Elastomeric Waterproof Compound



PROTECTION



HIGH STRENGTH



STRONG ADHESION



DURABLE



100% Silane



Eco Friendly



Long Life

### Description

Engineer Plus Advance Flex is two component cementitious coating system for waterproofing of wet areas and any water retaining structures such as swimming pools and water features.

### Typical Applications

- Any concrete, cement or masonry surface that are subject to moisture ingress.
- Swimming pools, water features and water tanks.
- Bathrooms, toilets, balconies, planters etc.

### Features

- Seamless, impervious membrane.
- Elastomeric, High film build-up.
- Excellent adhesion to concrete and masonry substrates.
- Low VOC
- Easily applied by brush, roller or trowel.
- can be applied on damp surface.

### Method of Application

#### 1. Surface preparation

- The substrate must be sound, clean and free from dirt, oil and loose material.
- Masonry surfaces should be fully cured (minimum 28 days) prior to application.
- All surface cracks, undulations and voids must be repaired before application using a suitable Engineer Plus repair material.
- Substrates must be surface dry prior to application.

#### 2. Mixing

- Using a slow speed mechanical mixer and a clean suitable mixing vessel, slowly add the powder component to the liquid polymer and stir until a smooth and homogenous slurry, is achieved.
- Allow the mixed slurry to stand for 5-10 minutes before use.
- Do not dilute with water.

#### 3. Application

- Apply Engineer Plus Advance Flex slurry by brush, roller or trowel.
- Allow the first coat to dry completely for 5-8 hours before applying the second coat.
- Apply second coat at right angles to the first coat.

### Coverage

- 1.25 ltr/mm<sup>2</sup>/sq. mt. per coat (DFT 1 mm).

### Technical Data Sheet

PROPERTIES	SPECIFICATION	RESULTS
VOC Content	Maximum allowable 140 g/ltr	1:3.4
Mix ratio (Liquid: Powder) parts by wt.		45
PH		>10
Inter Coat Application Time Hours		6-8
Cure Time after 2nd coat		7 Days
Tensile Strength N/mm <sup>2</sup>		>1.0
Elongation at Break		145%
Adhesion Strength N/mm <sup>2</sup>		0.8 Minimum
Crack Bridging		No cracking up to 2 mm
Water Penetration (5 bar pressure)		1%
Hardness Shore A		60
Reduction of Rapid Chloride		92%
Permeability (Compared to Control)		



**ACRYLIC CEMENTITIOUS  
WATERPROOF COATING**