



COTEFLEX 2K Plus

Two component flexible cementitious
waterproofing membrane



DESCRIPTION

BYZON COTEFLEX 2KPlus is a two part, acrylic polymer modified cementitious liquid applied waterproofing coating system. It comprises of a liquid polymer and a cement based mix incorporating special admixtures. It is applied to concrete and mortar to prevent water infiltration.

FEATURS & BENEFITS

- › Easy to apply by brush, spray or flat trowel
- › No additional water is required to make the slurry
- › Pre-batched components with consistent quality
- › Highly water resistant, reduces saltpetre action and prevents carbonation
- › Protects concrete from chloride penetration
- › Non-corrosive to steel and iron
- › Approved for potable water contact
- › Flexible enough to bridge hairline crack
- › Bonds well to all damp substrates
- › Good abrasion resistance
- › Good adhesion to reinforced concrete, mortar or masonry
- › Fast curing

AREA OF APPLICATION

- › Potable concrete water tanks, reservoirs, waste water tanks
- › Terraces, balconies, sunshades, etc.
- › Flat and small roofs
- › Basement and Retaining walls
- › Swimming pools, fountains, water bodies, canals
- › RCC gutters, drains and planter boxes
- › Wet areas like toilets, kitchen, utility, sunk slabs
- › Lift pits, sump, etc.

METHOD OF APPLICATION

1. Surface preparation

- › Allow new concrete and masonry substrate to fully cure prior application.
- › All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter which might effect adhesion. Spalled Concrete must be sound before applied
- › Substrate should be reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

2. Mixing

- Tusing Portland mechanical mixer, slowly add Powder part to Liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.
- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application. Mixing material must be use within recommend pot life.

3. Applications

- COTEFLEX 2KPlus slurry can be applied by brush or trowel. DO NOT dilute with water. Recommended coverage rate is approximately 1.1 kg./m²/coat for 0.8 mm. thick of wet film thick (minimum 2 coat.)
- Allow the slurry to cure for at least 1 hour before applying a second coat.

4. Curing

- For maximum protection, allow 12 to 24 hours curing time after the second coat.
- COTEFLEX 2KPlus requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock-up or ponding tests on site” to ‘requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock-up or ponding tests on site’

5. Cleaning

- COTEFLEX 2KPlus can be removed from tools and equipment immediately after use with clean water, only hardened material can removed mechanically

TECHNICAL INFORMATION

PROPERTIES	RESULT
Mixed color	White Viscous Liquid
Mix Component	Mix Ratio 1 : 2 (A : B)
Mixed Density	1.90 Kg/ltr
Pot life @20°C & 35°C	1 hrs and 10min respectively
Tensile Strength- as cast	2.5 N/mm ²
Solar light reflecting index (ASTM E1980)	103
Crack bridging ability (ASTM C1305)	Passes upto 3.2mm Width
Water Absorption	< 6%
Application temperature	Not less than 10°C

COVERAGE

- › 1.5 kg / m² @ 1 mm thickness

PRECAUTIONS & LIMITATIONS

- › COTEFLEX 2KPlus is not suitable for traffic area application
- › COTEFLEX 2KPlus is a pre measure package. Do not dilute with water or add any more sand or cement.

SHELF LIFE

- › 24 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature.

PACK SIZE

- › 3 kg set (1 kg liquid + 2 kg powder)
- › 15 kg set (5 kg liquid + 10 kg powder)
- › 30 kg set (10 kg liquid + 20 kg powder)

SAFETY PRECAUTIONS

- › Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

Note: All technical data tested in this product data sheet are based on laboratory tests. Actual measured data may vary according to trials and quality of material availability