

Leak[™] Lock 2K



PROTECTION



HIGH STRENGTH



STRONG ADHESION



DURABLE



100% Silane



Eco Friendly



Long Life

Description

ENGINEER PLUS LEAK LOCK 2K is 2 parts polymer-modified flexible cementitious waterproofing membrane coating specially formulated for Concrete and Masonry Surface which is supplied in ready-mix kits (2 parts). When the dry part is mixed with acrylic-modified emulsion and applied according to direction, the cured

ENGINEER PLUS LEAK LOCK 2K will become a tough, flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface.

Process of Application

1. Surface preparation

- The surface of application must thoroughly prepared by mechanical means, to remove all loose particles, lintance, grease, etc and washed off with water.
- Cracks and crevices must be duly filled or repaired with polymer modified mortar (PMM) made with appropriate products such as Engineer Plus Leak Lock 2K / Engineer Plus AquaPrime -99, Engineer Plus Supercrete URP / Engineer Plus Power Latex.

2. Mixing

- Shake the liquid component well to get homogeneous milky colour.
- In a mixing vessel, slowly add the powder component in to the liquid under continuous stirring, with a heavy duty mechanical mixing machine, continue to stir thoroughly to achieve a lump free homogeneous slurry.

3. APPLICATION

- Thorough surface preparation of the surface is a must.
- The surface of application must be pre-wetted thoroughly with water & brought to a touch dry state. Take up the first coat application with a stiff nylon brush. Work well into the substrate, to ensure that all small undulations are completely filled with the coating.
- 6 to 8 hrs after completion of first coat, take up second coat application in a direction perpendicular to the first.
- Complete the application and leave to air cure for 2 days. A moist hessian cloth can be kept over the coated surface to protect it from the effect of direct sunlight. In case of small open balconies of terraces, in bathrooms and internal areas. Leave the coating without water curing for 2 days at least.
- For plumbing pipe intents, grouting details etc. refer the product data sheet.

Areas of Application

- Excellent as a waterproof coating for bathrooms, kitchen sinks, balconies, etc.
- Ideal as a coating for waterproofing of chhajjas, canopies, etc.
- As waterproof coating on internal sides of domestic water tanks.
- Good for waterproofing of sloped roofs.
- As a waterproof coating for terraces of areas up to 100-150m².

Features & Benefits

- Elastomeric - elastomeric flexible flexing coating that accommodated crack up to 2 mm with an elasticity of 40-50%.
- Low water permeability - excellent resistant to ingress of water.
- Adhesion - excellent concrete and masonry surfaces.
- Eco-friendly - Non-toxic with low VOC content.
- Conforms to US-FDA - as a "potable water safe" coating for waterproofing for water tanks.

Coverage

Approximately 0.6-0.75 m²/kg at 1mm thickness in 2 coats depending on the level of the substrate.

Technical Data Sheet

PROPERTIES	RESULTS
Mix Component	Mix Ratio 1:2 (A: B)
Polymer Content	>15%
Water Absorption	<4%
Proprietary Polymer	high quality modified acrylic polymer
Set to touch time	45 min
Tensile Strength	2.5 N/mm ²
Modulus	
Elongation at Break	80%
Modulus	0.90 N/mm ²
Adhesion to Substrate	1.75 N/mm ²
Immersion in water Adhesion to	1.00 N/mm ²
Concrete at 7 day	
Crack Bridging	

