

K2 FLEXIGARD

High Performance, Highly Flexible Cementitious Waterproof Coating

Description:

K2 FLEXIGARD is a Prepacked two component acrylic polymer modified cementitious waterproofing coating. It is applied to any water retaining structures with brush, roller or trowel to obtain the desired thickness. K2 FLEXIGARD gives a tough durable water resistance coating which has excellent weather resistance for exterior applications.

Area of Application:

K2 FLEXIGARD can be applied to new and existing concrete structures that are structurally sound and strong.

- Basement retaining walls.
- Concrete roof slabs, floors, balcony, bathrooms, toilets and kitchen.
- Water tanks and swimming pools, reservoir, Bridge decks, Canals and Dam walls.

- Suitable for steam room waterproofing.
- Sewage treatment plants.

Benefits:

- Provides a flexible & low permeable coating.
- Excellent resistance to ingress of water.
- Provides slip resistant coating and Nontoxic.
- Waterproof for concrete structures.
- Excellent adhesion to concrete, natural and artificial stone.
- Excellent resistance to chloride ion diffusion and carbon dioxide.
- Resistance to freeze-thaw cycles and de-icing salts.
- Good crack accommodation capacity.

Technical Properties:

Properties	Results
Consistency	Brush able Consistency
Color	Grey
Pot Life @ 27°C	30 Min
Adhesion to concrete	1.5 N/mm ²
Application Temperature	10°C to 40°C
Toxicity	Non Toxic
Crack Bridging	2mm
Tensile Strength	>1N/mm ²

Application Instruction:

SURFACE PREPARATION

- The surface must be strong and free from dirt, dust and loose particles. Thoroughly wire brush the surface and clean the dust by air compressor or wash the surface with water.
- Oil & grease must be removed using decreasing solvents or K2 MULTICLEAN.
- Repair the cracks up to 5 mm with K2 KRACKSEAL and above 5 mm cracks using K2 BOND SBR with mortar. Furthermore surface

must be dry prior to application.

MIXING PROCESS

- K2 FLEXIGARD is a two component product. Shake well the liquid component and transfer entire quantity of liquid component into a suitable clean mixing vessel.
- Gradually start addition of the Powder component under constant mixing with a stirrer using the electric power tool (1kw) at the slow speed of 250 – 300 rpm for 3- 5 minutes to form a homogeneous & uniform free flowing slurry.

- K2 FLEXIGARD should be immediately used after mixing and keep stirring during the application.

APPLICATION PROCESS

- Apply slurry coat of mixed material in two coats.
- First coat should be allowed to air dry for 5-6 hours.
- Apply the second coat at **Right Angle** to first coat.
- After the application of the second coat, allow to air dry for 2 to 6 hours.
- During this period water should not be used for curing.
- Moist curing should be done in the next 24 hours.

Precautions:

- Do not dilute K2 Flexigard with Water.
- Concrete & Masonry surfaces must be cured 28 days Prior to Application.
- K2 Flexigard must be protected from damage by site activity & traffic until overlaid with final finish.

Coverage:

18 Kg pack covers 85 to 95 Sq. Ft. at 1 mm DFT.

Packing:

K2 FLEXIGARD is available in Below Pack size.

18 Kg [Powder Component - 10.5 Kg + Liquid Polymer Component – 7.5 Kg].

Shelf Life and Storage:

K2 FLEXIGARD has a shelf life of 18 Months in unopened packs, when kept in a cool & dry place avoiding sunlight.

Health & safety:

K2 FLEXIGARD is not hazardous. It should not be swallowed or allowed to come into contact with the skin and eyes. Protective gloves, Nose mask and goggles should be worn. Contact with the skin for long tenure should be avoided. In case of contact with the eyes, it should be rinsed immediately with plenty of water and medical advice sought immediately.

FIRE

K2 FLEXIGARD is non-flammable.

Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.

Important Note:

KONKEM Industries Private Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst KONKEM Industries Ltd endeavors to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it or its applicators.

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