



TANK COAT – 2K

**ACRYLIC CEMENTITIOUS
WATERPROOF COATING**

• DESCRIPTION

TANK COAT 2K is a acrylic cementitious, polymer modified elastomeric, waterproofing & protective coating composed of best quality Portland cement, properly selected & graded aggregates, additives & acrylic emulsion polymer as a binder. It is applied to waterproof and protect concrete and masonry substrates.

• AREAS OF APPLICATION

TANK COAT 2K must be applied to new or old concrete substrates that are structurally sound.

- ⇒ 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 100-150 m²

• FEATURES & BENEFITS

- ⇒ Elastomeric – elastomeric flexible coating that accommodate cracks up to 2 mm with an elasticity of 40-50%
- ⇒ Low water permeability – excellent resistance to ingress of water
- ⇒ Adhesion – excellent adhesion to concrete and masonry surfaces
- ⇒ Eco-friendly – Non-toxic with low VOC content
- ⇒ CFTRI certified – as a “potable water safe” coating for waterproofing for water tanks

• METHOD OF APPLICATION

1 SURFACE PREPARATION

- ⇒ The surface of application must be thoroughly prepared by mechanical means, to remove all loose particles, laitance, etc.
- ⇒ Oil and grease, if any, must be de-greased with suitable solvents. It then must be washed off with jet of water and brought to touch dry state. Any surface undulations, cracks and crevices must be duly filled with poly joint sealant.

2 MIXING

- ⇒ Shake the liquid component well to a homogenous milky colour.
- ⇒ Use heavy duty slow speed mechanical mixer fitted with a suitable paddle for mixing the two components of the material.
- ⇒ In a mixing vessel, slowly add the powder component in to the liquid under continuous stirring. Continue to stir thoroughly to achieve a lump free homogenous slurry.

3 APPLICATION

- ⇒ It is important that any pipe inserts or sanitary fittings should have been fitted grouted with suitable products well before taking up the application.
- ⇒ To grout pipe inserts, USE PROOFER NON SHRINK CAREACK FILLER , flow applied cementitious grout to gaps around the pipes. Water pipes however will be best grouted by filling with polymer modified mortar
- ⇒ It is mandatory that all works of plumbing and sanitation must be complete before taking up application of TANK COAT 2K.
- ⇒ 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 or terraces, in bathrooms and internal areas. Leave the coating without water curing for 2 days at least.
- ⇒ In new bathrooms, typically, tank coat 2K must be applied all over the sunken slab portion and upwards over the masonry walls up to a height of 6-7 feet, i.e. Over the splash zone of shower, etc. to ensure complete waterproofing.
- ⇒ In refurbishment of bathrooms & wet areas, if brickbat coba waterproofing exists, it will have to be made good by repairing /filling cracks, etc.
- ⇒ Plasters used to re-level surfaces in bathrooms must be admixed with cem proof +333 can then be applied all over. Tile adhesives can directly be used to lay tiles over tank coat 2K, in walls.
- ⇒ If the membrane is applied in areas exposed to foot traffic, it must be protected with a screed overlaid, during the application itself.

• PRECAUTIONS & LIMITATIONS

- ⇒ Do not part mix. Mix the entire quantity of both the components at one go.
- ⇒ Do not dilute.
- ⇒ Always add powder to liquid to avoid lump formation.
- ⇒ Do not cure by flooding with water.
- ⇒ Cure the membrane with moist hessian cloths
- ⇒ Do not conduct any ponding test before it is completely cured for 7 days
- ⇒ Always protect the membrane with screed in areas exposed to foot and other traffic.

• TECHNICAL INFORMATION

SR. NO.	PROPERTIES	RESULTS
1	Nature and type	component (1 part polymer & 2 part powder)
2	Wet density of the mix	1.65 – 1.75
3	pH of the mix	10.0 – 12.0
4	Pot life of the mix @300C in minutes	40 – 45
5	Elongation at break at DFT of 1 mm	50-60%
6	Water permeability Excellent	no leakage observed after 24 hrs

• COVERAGE

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

• PACKING

⇒ 15 kg

• Shelf Life & Storage

⇒ Shelf life is 12 months from the date of manufacturing.

⇒ Store in shed, protecting from direct sunlight and away from extreme temperature.

⇒ In extremely hot temperature conditions, store in a temperature-controlled environment i.e. less than 300C.

• HEALTH & SAFETY PRECAUTIONS

⇒ TANK COAT 2K is alkaline and should not come into contact with skin or eyes.

⇒ Avoid inhalation of dust during mixing.

⇒ Gloves, goggles and dust masks should be worn, during mixing and handling the product.

⇒ Any contact to eyes should be washed immediately with clean water and seek medical advice .

PROOFER CHEMICALS

8-A national highway,
dhuwa chokdi,
dhuwa
tal:- wankaner
dist:- morbi
Email:- info@proofer.org
Web:- www.proofer.org

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