



HI-FLEX WG (TX)

PRODUCT DESCRIPTION:

HI-FLEX WG (TX) is an innovative hybrid cross linked polymer developed for the production of highly flexible sealing slurries & 2 pack waterproof Cementitious coating.

PURPOSE:

Waterproofing of concrete surface using highly flexible polymeric compound

USAGE:

Hi FlexWG (TX) is used as a polymer along with cement to form a highly flexible & tough Waterproof barrier; it can be applied by either a Brush, Roller or trowel

ADVANTAGES:

*Designed to be used as a waterproof Cementitious coating with excellent flexibility, waterproofing & adhesion to the base concrete, plaster & IPS.

*It can be easily mixed with cement and forms an impermeable co-matrix of cement & polymer. On direct brush application, it penetrates in micro-pores and fine hair-cracks to make the surface impermeable.

*As an additive to Cementitious mortar, it provides a tough wear resistant coating by improving the adhesive, chemical & mechanical properties of mortar.

*Being water-based it is eco-friendly in nature & is easy to handle

*It can be coated with any regular painting brush / Roller or Trowel depending upon the Water proofing job

Uses:

*Waterproofing of building, terrace, water tank, basements, toilets etc

*Waterproofing of precast slab, AC Sheet roofs, etc.

*Exteriors, terraces and Chajjas in wet spells of monsoon

*Can be used as a base water-proofing coat. After cure, it can receive any cement-based paint (or texturised finish) over it.

*Roof slabs - flat or sloping, Chajjas, folded plate roofs, vaulted roofs, domes etc.

*Flooring, external walls

*Sunk portion of bathrooms, toilets, balconies, etc.

*Overhead or underground water tanks and other large reservoirs.

*Mortars for filling joints of C.I. or any other drainage pipes

Application Guidelines:

Preparation of the surface to be waterproofed is always of utmost importance. Any significant deficiency in the civil work such as loose or hollow concrete / plaster, exposed reinforcement steel etc. should be attended to first and required curing should be done as per the usual norms.

*Cracks other than hairline ones should be suitably widened, freed from loose particles and then filled with a mortar consisting of FLEX PMM (Refer relevant product data sheet)

*Scrub and clean the surface to free it from any bitumen, oil, grease, loose flakes or particles.

* Ensure that the surface to be waterproofed/coated has to be moistened by misting with water to ensure proper penetration & adherence of the coating with the base substrate .

* **Application of primer coat** Mix 1:1:1 (HI FLEX WG (TX) : Cement : Water) & apply this as a single coat of primer before application of the coating

***Application of finishing coat** : Prepare slurry using 1 part by weight of Hi-FLEX WG (TX) and fresh white or grey ordinary Portland cement. Use a mix by weight of 1:1 **cement: Hi-Flex WG(TX)**. The mixing is best done using a low-speed stirrer, but continuous hand-mixing to a lump-free consistency is also adequate. Apply the slurry by brush/Roller to the damp surface. Prepare only as much slurry as can be used within 30 minutes. Keep the mix continuously stirred.

* Apply and embed the reinforcing mesh when the coat is still in the green state (wet state)

* Sprinkle evenly the fine quartz sand (**30:80**) Grade to ensure proper anchorage of sand in the wet coating & lightly roll over with roller or a trowel to ensure that the sand is embedded in the coating

*Apply another coat by after at least 4 hours or more in a similar manner to ensure a minimum film thickness of 1.5 to 2 mm allow the coated treatment to set for minimum 24 hour before proceeding with screeding .

Product Properties

Pot life of mixed material @ 30Deg cent

30Minutes

Application temperature

Minimum 10 to 15 Deg Cent

Coverage (Mixed material)

10 to 12 Sft/kg/coat **

Minimum DFT expected (1;1)

1 mm in single coat without Sand & mesh

Shelf Life:

1 Year if stored in a sealed container

Packing:

35Kg & 220Kg Barrel pack

**Depending on the porosity and the type of substrate

Disclaimer

The information contained herein is believed to be accurate and is offered in good faith for the guidance of the consumer. We cannot accept any responsibility for errors in, or misinterpretation of the information contained in this brochure. In view of our constant endeavor to improve the quality of our products, we reserve the right to alter or change The specifications without prior notice

For Details Contact :

TEJ INNOVATIVE PRODUCTS B-4,P-10,ABOVE I.O.BANK,H.F.S.ROAD, JOGESHWARI(EAST) MUMBAI-400060 INDIA
Tel. : (O):0091-22-28246536 / 22970165 Cell:0091-9821170321 / 9224284850 Email: tejas_t@yahoo.com OR tejas60@gmail.com