



PRODUCT DESCRIPTION:

HI-FLEX WG is an innovative cross linked polymer developed for the production of flexible & waterproof Cementitious coating.

PURPOSE:

Waterproofing of concrete surface using flexible polymer compound

USAGE:

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

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 and by any good painter, no special skill required to apply the coating.

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
- It can mixed with any cement based paint and thus can have desired shade along with total waterproofing with marginal increase in cost. This is equivalent or a better option than prevalent conventional acrylic coatings
- 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.
- Moisten the surface with water jet one day before.
- Prepare slurry using 1 part by weight of Hi-FLEX WG and fresh white or grey ordinary Portland cement. Use a mix by weight of 1:1 **cement: Hi-Flex WG**. 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 to the damp surface. Prepare only as much slurry as can be used within 30 minutes. Keep the mix continuously stirred.
- Apply by brush two more coats of similar slurry at 24 hour intervals and allow setting for 48 hours.
- Cure the coating for 7 days by sprinkling water thrice a day on the vertical surface (external walls) and on the horizontal surface (terraces).



Product Properties

Pot life of mixed material @ 30Deg cent	30Minutes
Application temperature	Minimum 10 to 15 Deg Cent
Coverage (Mixed material)	40 to 50Sft/kg/coat **

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.

Manufactured by :

Authorised Distributors & Applicators :

TEJ INNOVATIVE PRODUCTS

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