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TEVO 2028- A Novel WaterGuard for the dam proofing construction (DPC):

DPC is used is prepared against moisture rising the ground. TEVO 2028 WaterGuard is an environmentally friendly product. It is prepared from polymers containing lower volatile organic compounds (VOC), and free from alkyl phenol ethoxylate (APE), APE is a carcinogenic susceptible agent and band in the Europe. It is made specifically to apply on the DPC. Two coats of when applied cross wised and a polyethylene film is sandwiched. Sub ground bound walls also need to be coated with WaterGuard followed by TEVO 2030E.

However, it is recommended also to apply on plaster, brick, tile, and concrete. Testing on these said surfaces showed an exceptional faster drying rate, excellent inhibition to water, beautiful tack and grab properties, and good abrasion. It is also used in the basement, water tank, swimming pool, retaining wall, bridge, concrete repair, floor screed.

TEVO WaterGuard-ideal product for water proofing:

Without the application water proofing products like TEVO Water Guard, TEVO 2010, TEVO 2030E elastomeric, and TEVO WBE, water ingress to the building and it causes damage to the plaster, paints, and to the bricks. Water with salt deleterious impact is far more pronounced in a sub ground construction area. Without the application of the right water guard, plaster, concrete, and bricks provide channels for the water to ingress. WaterGuard is formulated from hydrophobic, elastic latex binders' system and it is mixed with the right ratio between various types of filler to achieve the best waterproofing performance of the foundation walls, DPC, plaster, manufacturing, and the formulation of the polymers for the water protection.

Benefits:

- Single component system, and easier to apply.
- Excellent UV resistance.
- Faster curing and drying rate.
- Used on DPC and both interior and exterior compound walls to prevent the water ingress.
- Non-toxic, water-based, and low VOC.
- Excellent bonding to most substrates.
- Excellent breathability.
- Water Resistance.
- High solar reflective index.
- Prevent rusting to the pillar bars.
- Resistant to paint efflorescence (paint decay) and leaks.

The information given in the Table is at the best of our knowledge and lab testing. For any technical questions, please contact. 03116360195, ISL and 03094110796 for Lahore.



Recommended Applications Process for the Basement:

1. Clean the surface and make it free from dust, crack free, water vapor free.
2. First application, add into the Water Guard water at 1:3 one part water and 3 parts WaterGuard.
3. Spray it, or apply it with a roller, or with a brush.
4. When the base coat is wet, wrap it with PE film.
5. Apply a second coat as such on the PE film or on the DPC layer.
6. Protect it with TEVO 2030E elastomeric coatings.

Steps to coat DPC:

1. Cut the TEVO WaterGuard (WG) with 3:1 ratio with water.
2. Mix and then apply.
3. When dried, apply the second coat cross wise.
4. Best to sandwich PP film in between the WaterGuard.
5. Make an envelope on the compound wall with WG/PE/WG.
6. Once it is dried continue your construction.

Recommended Applications Process of the Roof Top:

1. Fill the cracks with TEVO CrackFiller.
2. Cut the TEVO Guard with water 3:1.
3. Coat the surface, when wet add PE film, then coat PE film and then apply 2030E.

Composition:

It is proprietary hybrid system and composite formulated from nano binders of acrylic and various fillers.

Packaging:

TEVO Guard Filler in one gallon and a five-gallon bucket.

Colors:

White and Gray Color.

TecTevo
Chemical Technology
at its Best



Limitations:

Tectevo WaterGuard shall not be applied when temperature is expected to drop below 10C at any time within a 24-hours period immediately following application.

Environmental Considerations:

Tectevo WaterGuard is a non-hazardous environmentally friendly water-based crack sealant containing less than 50 grams per liter volatile organic content (VOC)

Surface Preparation:

Remove dirt, dust and foreign matter, plaster debris, etc. from the surface completely. Using a putty knife, cut along the cracks in a V shape. The maximum openings of the cracks should be 5-10 mm wide x 3 mm deep.

Limitations:

Do not apply during rising temperatures to avoid the risk of out gassing resulting in pin-holing. Do not apply on bituminous coating. For exterior areas, do not apply if rain is likely over the next 24 hours.

Handling: Read SDS, use open air, or well-ventilated space, use safety glasses, gloves, and face mask and if any question, please write to Azhar.tectevo@gmail.com.

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