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CONCRETE WATER PROOFING SOLUTIONS

Concrete Water Proofing

First Time In India, Breathable Epoxy Coating Capable of application on Damp, Water Saturated, Green, Concrete..... As well as for “Negative Pressure” Water Proofing.

“1311 Stangard Corrokote (MVT)”

The Concept

- Concrete is a difficult material to work with.
- Porosities in concrete lead to moisture permeation as does not give scope for any paint /coating to adhere on it, due to vapour pressure created by entrapped moisture.
- Resultant internal re-bar corrosion, leads to “Spalling” concrete damage, formation of algae & moss...

Why Concrete Damage ?

Water Saturation & Re-Bar Corrosion; Acid Attack; Loss Of Alkalinity & Spalling



Concrete Cancer – Loss of Alkalinity; Spalling ; Re-Bar Corrosion;



Severe Concrete Corrosion



Sulfuric Acid Attacked Concrete



Severe Corrosion in Concrete



Catastrophic Concrete Corrosion & Failure

Example for reinforcement corrosion caused by carbonation of the concrete.



Example for reinforcement corrosion caused by chloride ingress

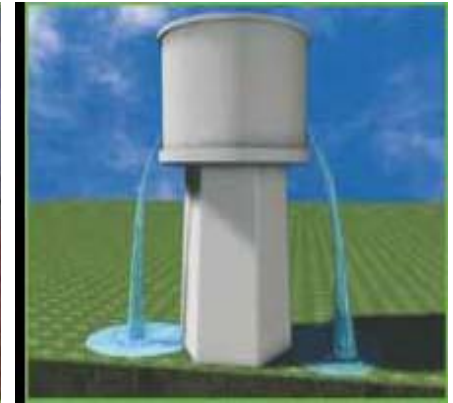


The Solution = “Breathable” Technology

1). Heavy Duty use ,long term water proofing . 1311 STANGARD CORROKOTE -MVT

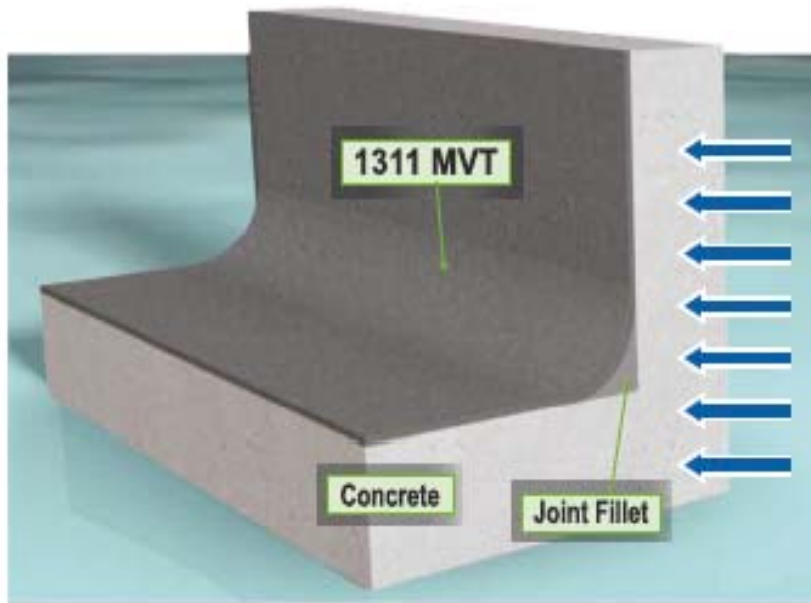
Applications:

1. Cooling towers.
2. Containment areas.
3. DM plants.
4. Water treatment plants.
5. Dams & irrigation.
6. Tunnels and subway.
7. Concrete Tanks & Pits.
8. Basement flooring and wall coating



- ***A complete Negative pressure water proofing system...***

Unique Features

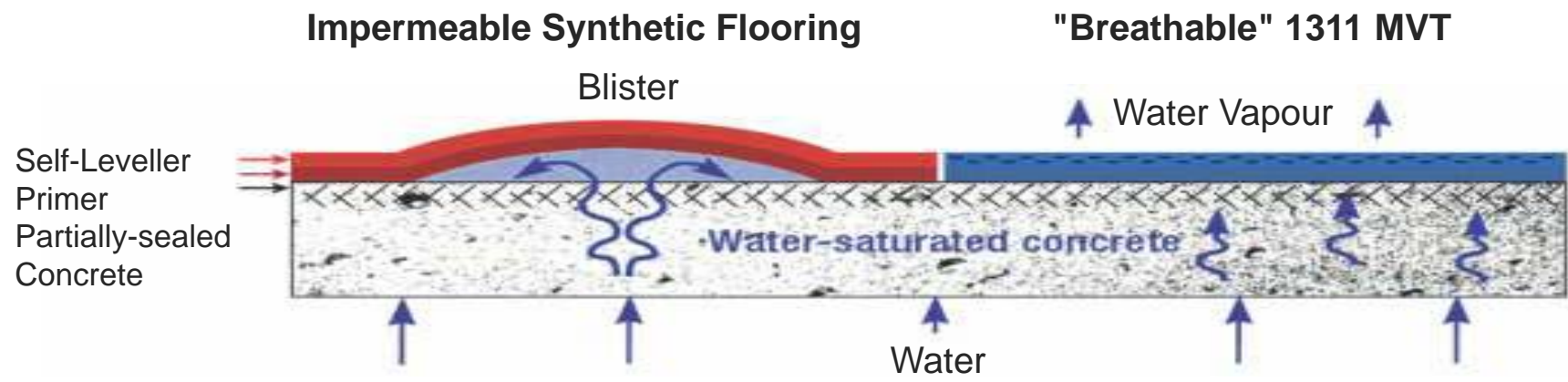


Negative side waterproofing

- ★ Releases osmotic pressure and provides long term barrier protection & edge coverage.
- ★ One coating for all types of concrete surface protection - water proofing, preventing algae, fungus & bio-film formation in cooling towers...
- ★ Can be applied and will perfectly perform on moist, wet, damp & even on green concrete.

Protecting Concrete Floors Against Damage Due to Water Saturation /Rising Dampness

1311 STANGARD CORROKOTE (MVT) : India's first & only osmotic pressure resistant epoxy flooring, for protecting damp / water seepage / rising dampness exposed concrete.



- ★ Product has excellent adhesion, chemical resistance, abrasion resistance... tolerates salts & chlorides.

1311 MVT will not peel off due to osmotic pressure

2). **General use, non immersion service Water Proofing ,For medium and light duty water proofing applications: 1K-754Stangard Sealer-Water Seal**



Penetrates and Seals off Surface

754 STANGARD WATER SEAL Ready-to-use, non-toxic, penetrating, permanent water & oil tolerant concrete sealer **seals the capillary voids to practically zero**

- ★ Water & oil tolerant. Protects concrete floors & machine foundations, against damage by oil soaking, water saturation, acidic sugarcane juice spillage...
- ★ Prevents moisture and vapor migration. Protects re-bar.
- ★ Negative and positive side application.
- ★ Economical

754 Stangard Water Seal: Ideal solution for Sugar juice, oil handling & storage, Compressor / DG room floor area's /machinery foundations... as a concrete sealer that will make the floors & walls impermeable for corrosive sugar juice, oil & water penetration....



3). Other Allied Technologies

a) 751 STANFLOOR - REPAIR (QUICK SET)



- ★ 100% solids epoxy system.
- ★ No- shrinkage during and after curing.
- ★ Quick set- suitable for fast repairing works.
- ★ Chemical resistant.
- ★ Can be made self leveling by adjustment of filler loading at site. Can be applied on vertical surfaces with adjustment of filler loading at site.

b). Tankage Boot Sealing



#Z717 STANGARD BOOT SEAL SYSTEM : Flexible water proofing system providing high impact strength and abrasion resistance.

- ★ System consists of - special primer, flexible coating, membrane, sealing tape, foam & U.V. tolerant flexible top coating.
- ★ Two-component special flexible coating, cures at room temperature to a tough rubber – like material, remaining flexible at temperatures down to even -30°C.
- ★ Prevents tank base corrosion.

APPLICATIONS

- ★ Tank base sealing.
- ★ Flexible joint sealing.
- ★ As a flexible water proofing membrane.