

DIFF FLOOR TOP

TechnicalData: DIFFCOR/CR/06-18

Product Description:

DIFF-FLOOR TOP is a medium-solids, self leveling epoxy protective coating for tough industrial environments Floors. Especially formulated with blend of penetrates and surface tension-control agents for concrete surface to solve, chemical spillage, floor with trolley and racks movements, The DIFF FLOOR TOP is a tough, durable coating with excellent resistance to weather, moisture & industrial environment. DIFF-FLOOR TOP with special preparation is durable anti-slip protection in a variety of industrial settings, and for every maintenance coating job.

Application:

DIFF-FLOOR TOP coating protects and slips proofs on concrete & steel surface in industrial facilities, bridges, marine weathering, and other exposures. Good chemical resistance to splash/spillage, fumes and immersion in neutral, fresh and salt water. Temperature ranges 20-150°C.

Technology	Epoxy
Chemical Type	Epoxy
Appearance(Base)	Blue ,Green, Red
Appearance(Activator)	Pale yellow
Appearance(Mixed)	Blue ,Green ,Red
Components	Two component-requires mixing
Mix Ratio, by volume Resin: Hardener	4:1
Mix Ratio, by weight Resin: Hardener	4:1
Cure	Room temperature cure
Application	Floor coating

TYPICAL PROPERTIES OF UNCURED MATERIAL

Base:

Viscosity: liquid
Weight per liter: 1.15 kg/liter

Hardener:

Viscosity: liquid
Weight per liter: 1.1 kg/liter

Mixed:

Viscosity: liquid

Coverage 0.66 m² @ 1mm thick/1kg

TYPICAL CURING PERFORMANCE

Curing Properties

Gel Time @ Ambient temp, minutes 25-30

ring time vs. Temperature

Ambient temp	20°C	25°C	30°C
Pot life	40-50min	30-35min	25-30min
Full cure	4-6hrs	3-4hrs	2-3hrs.

Note: For vehicular traffic it needs curing of 48 hours

Typical cured properties of material

Compressive strength (ASTM D642) 4000-4500 Psi
Flexural strength (ASTM 790) 4000-4500 Psi
Hardness shore D (ASTM D2240) 70-75
Tensile strength (ASTM D882) 3500-4000 Psi
Shear strength (ASTM D1002) 1550-2000 Psi

SURFACE PREPARATION: FOR CONCRETE SURFACE

Concrete should be at least 28 days old, laitance deposits should be removed by mechanical scrubbing or grinding, concrete floor should be thoroughly washed with water. Concrete surface must be dry before the application of DIFF-FLOOR SC REED

In case of oily surface, floor should be burn with flame thoroughly and ensure complete burning of soaked oil in the floor.

Application

Diff Floor Top can be applied after complete curing of screed it gives better adhesion and gloss retention of top coat. Diff Floor Top can be applied with rollers and can be spray.

Mixing:

Mix "base and activator" in specified ration which is supplied in contrasting colors, on clean flat surface. Mix with stirrer until a uniform blend free of streaks is obtained.