Touff Grout PC840

HIGH STRENGTH NON-SHRINK EPOXY MORTAR

organiX BUILDING SYSTEM

TOUFF GROUT PC is a multi component solvent free epoxy mortar for pile cap anchoring and bedding to ensure high foundation strength. TG-PC is a 100 % solids, multi component grout which is easily mixed (dust free) and applied at the job site.



FEATURES

- High tensile, flexural and compressive strength
- High temperature resistant
- Excellent impact and abrasion strength
- Excellent adhesion to steel and concrete
- Rapid installation and strength gain
- Excellent fatigue resistance
- High resistance to dynamic loads and chemical attack
- Good chemical resistance
- Fast strength development
- Non shrink and tolerant of damp surfaces
- Heavy duty rain grouting

IDEAL APPLICATION FIELD

- Pile cap water proofing
- Anchors, rails and bolt fixing
- Installation of reinforced concrete starter bards, foundation bolts and railway tracks
- Anchoring of cranes, towers, heavy duty machineries etc
- Grouting of bridge footings
- High strength backing support of bearings

TECHNICAL PROPERTIES

Compressive Strength	84 MPa
Compressive Modulus	4.7 Gpa
Tensile strength	14.1 N/sq .mm
Color	Grey
Density at 20oC	2.1g/cc
Pot life at 30oC	30 minutes
Maximum Service Temperature	130oC
Flammability ASTM D 635	Self extinguishing
Color	Dark grey
VOC	-0-

engineered to perform

CHEMICAL RESISTANCE

TOUFF GROUT PC resists non oxidizing mineral acids and salts, caustics, dilute oxidizing acids and salts, plus some organic acids and solvents.

CURE TIME:

Cure time of the mortar depends upon the temperature of the base and foundation rather than the ambient air temperature. Generally 6-12 hours (setting time) and 12-24 hours (curing time)

APPLICATION
Surface preparation

The surfaces should be sound, dimensionally stable, clean free from oil, mould release agent, grease and other unwanted materials. The concrete surface must be clean and dry when the grout is poured. The concrete areas to be grouted should not be primes or sealed.
The ambient temperature should be more than 10oC.

Mixing

Mix part A and part B separately for 1 minute using an electric drill fitted with suitable paddle. Then add Part B in to Part A and mix thoroughly for 3 minutes. Later add part C (aggregates-optional) slowly and mix thoroughly for 5 minutes to achieve a uniform homogenous color and consistency. Never split packs or alter the ratio of resin components.

Forming

TOUFF GROUT PC requires forms or moulds which are generally made of wood and should be of sufficient strength to withstand pressure from the grout and must be liquid tight. Wrapping moulds in polyethylene will ensure easy release.

Placing

Place immediately after mixing, in to the prepared area and use a steel trowel to level. Allow almost 6 hours to set the grout before the removal of form.

Cleaning

Clean the tools with Xylene or any other suitable solvent.

PACKING
Available in standard kit packing and regular packing :16L set

STORAGE and SHELF LIFE

Store under cover and protect from high temperature. The shelf life will be 24months under normal conditions.

SAFETY PRECAUTIONS

Must be kept out from reach of children. This product contains chemicals which is hazardous to human body. Protective clothing like gloves, goggles and overalls should be worn.

GUARENTEE

OBS WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Bulletin when used in accordance with its directions. Ignoring of the technical data, instructions given by ORGANIX will make the guarantee cancelled automatically with no other options.

ORGANIX
BUILDING SYSTEM

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