



STRUCTUROC TS

Two-component epoxy grout
for precise support and vibration control.

STRUCTUROC TS is an epoxy resin based support grout that offers superior physical properties and is designed to provide uniform support, precise alignment and vibration control for heavy equipment. STRUCTUROC TS is a two-component, 100% solid grout, which can be easily mixed (dust free) and applicable on site.

■ USES

As a support grout and anchor for the following heavy equipment:

- Mining industry crushers

Consult BMQ SOLUTIONS for chemical exposures specific to your process.

■ FEATURES AND BENIFITS

- Exceptional physical properties
- Large effective support surface (EBA) > 96 %
- Quick setting for quick resumption of service
- Very homogeneous mixing and dust-free mixing
- Develops high initial resistance
- 100 % solids
- Excellent adhesion to the substrate
- Do not shrink

■ PRECAUTIONS / RESTRICTIONS

During the application and curing process, the ambient and substrate temperatures must be at a minimum of 5°C. The temperature of the substrate must be at least 3°C above the dew point.

MOISTURE SENSITIVITY

Better results are obtained on clean and dry surfaces.

■ SURFACE PREPARATION

This step is very important. The life of the product will be considerably improved if the following recommendations are observed.

1. The concrete surface must be sound and any existing coating must be removed. New concrete must have cured at least 28 days. Best results are obtained on a dry surface.
2. Remove all debris from the workplace
3. Remove all oils, greases, dirt and wax solutions from surfaces.
4. Use sand blast or «Blastrac» to remove all traces of substances that could prevent a good adhesion.

Special attention should be paid to oils or other materials that may have penetrated the concrete.

■ ESTIMATING / YIELD

STRUCTUROC TS is packaged in 8 L units (A+B)

PHYSICAL PROPERTIES @ 23°C (73°F)

COMPONENT A RESIN		COMPONENT B HARDENER	PHYSICAL TESTS	
Density	1.08	0.98	HARDNESS(ASTM D 2240)	75 - 85
Color	Grey	Clear	Linear withdrawal (ASTM C 531)	0.01 % maximum
% solid	100%	100%	Compressive strength (ASTM C579) at 3 days	72.0 MPa
VOC (Volatile Organic Content)			Compressive strength (ASTM C579) at 28 days	21.0 MPa
MIXING / RATIO		A	Flexural strength (ASTM C 580)	10.6 MPa
		B	Traction resistance (ASTM C 307)	15.6 MPa
Volume	6.7 L	1.3 L	Coefficient of thermal expansion (ASTM C 531)	10 x 10 ⁻⁶ p/p/°F
CURING @ 23°C / 50% Relative humidity			Water absorbtion (ASTM C 413)	< 0.15 %
Working time @ 23°C	20 minutes		Adhesion (ACI 503R)	1.9 MPa
Time for static charges	4 - 8 hours			100 % fractured in concrete



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■ PRODUCT MIXING

- STRUCTUROC TS is supplied in a two-component system.
- Open component «A» and shake the resin until a uniform consistency is obtained.
- Open component «B» and pour the entire content into the container of component «A».
- Mix using a low speed mixer (200-300 rpm) until a uniform color is obtained.
- Pour a cord in the center of the support that will receive the prefabricated element.

■ PRODUCT APPLICATION

When formwork are required, they must be firmly anchored and waterproof.

INSTALLATION:

Place STRUCTUROC TS in the formwork on one side only to avoid trapping air. The installation must be carried out in a continuous operation to eliminate the voids and ensure total and uniform support.

■ PACKAGING

STRUCTUROC TS :

Packaged in 8 L units (A+B).

■ CLEANING

Use an appropriate polyurethane cleaner to clean all tools and equipment.

■ STORAGE

Store on pallets in a dry, temperate place.

■ SAFETY

See Safety Data Sheet (SDS)