

STRUCTUROC TS

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.

USE

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

- Mining industry crushers

Consult **SOLHYDROC** for chemical exposures specific to your process.

FEATURES AND BENEFITS

- 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 AND 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.

- 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.
- Remove all debris from the workplace
- Remove all oils, greases, dirt and wax solutions from surfaces.
- 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.

PHYSICAL PROPERTIES @ 23°C (73°F)

COMPONENT A (RÉSIN)			COMPONENT B (HARDENER)	
Density	1,08		0,98	
Color	Grey		Clear	
% solid	100%		100%	
VOC (Volatile Organic Content)				
MIXING / RATIO	A	+	B	
Volume	6.7 L		1.3 L	
CURING @ 23°C / 50% Relative humidity				
Working time @ 23°C			20 minutes	
Time for static charges			4 - 8 hrs	

PHYSICAL TESTS	
HARDNESS(ASTM D 2240)	75 - 85
Linear withdrawal (ASTM C 531)	0,01 % maximum
Compressive strength (ASTM C579) à 3 jours	72 MPa
Compressive strength (ASTM C579) at 28 days	21 MPa
Flexural strength (ASTM C 580)	10.6 MPa
Traction resistance (ASTM C 307)	15,6 MPa
Coefficient of thermal expansion (ASTM C 531)	10 x 10 ⁻⁶ p/p/°F
Water absorption (ASTM C 413)	< 0,15 %
Adhesion (ACI 503R)	1.9 MPa
100 % fractured in concrete	

SOLHYDROC

STRUCTUROC TS

■ 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.

■ YIELD / COVERAGE

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

■ CLEANING

Use acetone

■ STORAGE

Store on pallets in a dry, temperate place.

■ SECURITY

See Safety Data Sheet (SDS)

SOLHYDROC INC. GUARANTEES the quality of its products. These comply with the description given in the technical sheets, on the labels and are suitable for the use for which they are intended. Solhydroc Inc. has no control over site conditions, methods of use and conditions of use. Solhydroc's warranty only covers the high quality of its products.

Professionnal use only

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