

# SOLHYDROC

## STRUCTUROC E.T.

Cement-based fast setting repair mortar for thin applications

**STRUCTUROC E.T.** is a rapid setting, polymer modified, shrink resistant, high early strength, cement based patching and topping system for restoration and leveling of rough horizontal concrete substrates. It is ready for return of rubber wheeled traffic in 40 minutes, and can be used for repairs down to 3 mm (1/8") in thickness and be feathered edge.

### USES

Interior horizontal repairs and leveling of concrete surfaces.

### TYPICAL USES:

Floors prior to application of epoxy coatings  
Distressed or worn concrete floor surfaces  
Step repair  
Manufacturing, storage and shipping areas  
Distribution centers and warehouse floors  
Aisles and other industrial repair situations

### PRODUCT FEATURES

Fast turn around time for early return of traffic  
Can be epoxy coated after 2 hours @ 21°C (70°F)  
No primer or bonding agent required  
Excellent bond to concrete substrate  
Rapid, high early strength gain  
Shrink resistant  
Expands and contracts at a rate similar to concrete  
Ready to use with addition of water  
Easy to place  
Can be tiled, carpeted or coated within 2 hours

### SURFACE PREPARATION

Surface must be saturated but free of standing water (saturated surface dry, SSD). Surface must be dry, sound, clean, free of oil, wax, sealers, asphalt, paint, dirt, gypsum or latex patches, urethanes, adhesives, loose material and any contaminate that may act as a bond breaker. Weak surfaces must be cleaned by mechanical means such as chipping, shot-blasting or grinding.

### PRIMING

No primer required.

### PRODUCT MIXING

Mix only the amount of **STRUCTUROC E.T.** that can be placed within 15 minutes. Add 4.5 to 4.75 liters of clean mixing water to a clean recipient. Slowly add the **STRUCTUROC E.T.** material while continuously mixing with a 3/4" heavy duty drill with mixing paddle. Mix continuously for 3 minutes until a lump free consistency is obtained.

### PRODUCT APPLICATION

#### PLACING:

Once a homogenous mix is obtained, place material on the repair area and spread evenly with a wood or magnesium trowel.

#### FINISHING:

When material tightens up, finish material surface using a steel trowel.

### MATERIAL PHYSICAL PROPERTIES @ 21°C (70°F)

COMPRESSIVE STRENGTH ASTM C109 @ 7 DAYS			HARDENING	
2 hours	6.9 MPa	(1000 psi)	Initial set	20-25 minutes
1 day	20.7 MPa	(3500 psi)	Final set	30-35 minutes
7 days	34.5 MPa	(5000 psi)	<b>LENGTH CHANGE ASTM C157 @ 7 DAYS</b>	
28 days	41.4 MPa	(6000 psi)	Wet + 0.36%	Dry - 0.011%

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### CURING

Allow **STRUCTUROC E.T.** to air cure. Polyethylene sheets or a membrane approved by **SOLHYDROC INC.** may be used to protect surface (while curing) during hot, windy, or other questionable ambient conditions.

### ESTIMATING/YIELD

**STRUCTUROC E.T.** is supplied in 22.7 kg (50 lb) bags. Each 22.7 kg (50 lb) bag of **STRUCTUROC E.T.** mixed with 4.75 liters of clean mixing water will cover approximately 4.1 m<sup>2</sup> (44 ft<sup>2</sup>) at a thickness of 3 mm (1/8 in).

### PRECAUTIONS/RESTRICTIONS

Apply to pre saturated surface only

Do not apply on fresh concrete

Do not add admixture to this product

If patches will receive considerable traffic, consider square cutting instead of featheredging to be assured of longer serviceable life of edges.

**STRUCTUROC E.T.** is not a precision, non shrink grout. For grouting needs refer to literature for **SOLHYDFLOW GROUT** or **SOLHYDGROUT EPOXY HS.**

**STRUCTUROC E.T.** should not be placed on hot substrates over 32°C (90°F) or under 5°C (40°F).

**STRUCTUROC E.T.** should not be placed in ambient temperatures under 5°C or when temperatures will be below 5°C (40°F) within 24 hours of placement.

Avoid applications of **STRUCTUROC E.T.** where it is constantly immersed if it is not coated or covered by an impermeable material.

### PACKAGING

#### STRUCTUROC E.T.

22.7 kg (50 lbs) bag  
56 bags per pallet

### RECOMMENDED TOOLS

The following tools will assure a cost effective, satisfactory installation:

Steel, Wooden or Magnesium Trowels

3/4" Heavy Duty drill with mixing paddles

Mortar mixer (for large volume)

### CLEANING

Use soap and water to clean all tools immediately after use.

### STORAGE

**STRUCTUROC E.T.** must be stored in a temperate area to avoid freezing of this product. Can be kept in unopened bags for 12 months.

### SECURITY

See Material Safety Data Sheet.

SOLHYDROC 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. SOLHYDROC makes NO OTHER WARRANTY either expressed or implied. Buyer assumes all risk in handling.

*For Professional Use Only*

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