

# SOLHYDBOND THIXO

Thixotropic  
two-component epoxy system

SOLHYDBOND THIXO is a thixotropic two-component epoxy system for all overhead and vertical applications.

## ■ USES

Use as a bonding agent or patching for overhead and vertical surfaces.

### TYPICAL USES:

- Leveling and repairing concrete surfaces prior to the installation of SOLHYDCOAT systems
- As a patching material when extended with silica sand
- Setting horizontal dowels in concrete
- Setting ports and plastic tees for crack injection

## ■ PRODUCT FEATURES

- Thixotropic consistency
- Can be applied thick in overhead applications
- Excellent bond strength

## ■ SURFACE PREPARATION

This is the single most important step. Best results will be achieved by following the suggested recommendations:

### CONCRETE SURFACES:

Surface must be cleaned free of any substance that will prevent bonding, e.g. oil, wax, grease, old paint, laitance, etc. New concrete should cure at least 80% of the design strength before applying. Surface should be rough to increase mechanical bond. Best results are obtained on dry surfaces, however the product will bond to damp clean areas.

### STEEL SURFACES:

Surface should be sandblasted to white metal and the bonder applied immediately before oxidation of the steel surface begins.

## ■ PRIMING

No primer required.

## ■ ESTIMATING / YIELD

SOLHYDBOND THIXO is packaged in pre-measured 7.56 liter units. The yield of this material is approximately 230 po<sup>3</sup> per unit. It will depend on thickness installed and application.

## ■ PRECAUTIONS / RESTRICTIONS

SOLHYDBOND THIXO may be applied at temperatures down to 0°C (32°F). Cure time is significantly longer at colder temperatures and may be dramatically less under direct sunlight or other sources of heat.

## ■ PRODUCT MIXING

- SOLHYDBOND THIXO is a two component system.
- Open component "A" and stir the resin until evenly blended.
- Pour the resin into a clean mixing container.
- Open Component "B" and pour entire contents into the mixing container.
- Agitate with low speed power mixer (max. 300 rpm) until one even color develops.
- For thicker and easy troweling applications SOLHYDBOND THIXO can be mixed with clean, dry silica sand in a ratio of 1 part resin mixture to 1 part silica sand, by volume.

## ■ PRODUCT APPLICATION

SOLHYDBOND THIXO can be applied by trowel or by hand using rubber gloves. It is also available in 450ml cartridges. Putty knives can be used to spread the bead applied using the cartridge system.

## PHYSICAL MATERIAL PROPERTIES @ 25°C (77°F)

	COMPONENT A RESIN	COMPONENT B HARDENER	MIXED A+B
Specific Gravity	1.10	0.98	1.10
Color	Clear (cloudy)	Amber	Clear (cloudy)
% de solides	-	-	100 %
Viscosity	Gel	Gel	Gel

MIXING/RATIO	A	B
By Volume	1	1
Cartridges	2	1

BOND STRENGTH ASTM C882		
7 days	27 MPa	3,900 psi

COMPRESSIVE STRENGTH ASTM C109-75		
7 days	84 MPa	12,200 psi

TENSILE STRENGTH ASTM D-638		
7 days	48 MPa	7,000 psi

CURE TIME		
	10°C	25°C
Pot life 200 gr	-	12 to 15 min.
Dry to the touch	7 hours	3 hours
Through cure	14 hours	6 hours

Cure time is considerably longer at colder temperatures.



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## ■ CURING

SOLHYDBOND THIXO is a self-curing material.

## ■ PACKAGING

**SOLHYDBOND THIXO :**

7.56L (2 gal) unit

**TUBES THIXO :**

- 300 ml Part A
- 150 ml Part B

## ■ RECOMMENDED TOOLS

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

- Power drill with "Jiffy" mixer
- Trowel
- Putty knife
- Rubber gloves
- Two-component gun (cartridge system)

## ■ CLEANING

Use ACETONE to clean all tools and equipment.

## ■ STORAGE

SOLHYDBOND THIXO must be stored in a tempered area to avoid freezing.

## ■ SAFETY

See Material Safety Data Sheet.

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BMQ SOLUTIONS WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Data Sheet when used in accordance with its directions. BMQ Solutions makes NO OTHER WARRANTY either expressed or implied.  
Buyer assumes all risk in handling.

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