

# CONCRETECH

Ultrabond 400

## PRODUCT DESCRIPTION

UltraBond 400 is a clear, low viscosity, solvent based, deep penetrating and fast drying epoxy primer. Ultrabond 400 cures to a water clear, high gloss finish, provides tenacious bond and is economical.

## USES

UltraBond 400 is an ideal primer for epoxy and urethane topcoats. A 5-mil (wet) coat will optimize bond, retard out-gassing and enhance the self-leveling properties of a polymer topcoat.

## PACKAGING

15.12 L. / 4 Gal. Part A }  
3.78 L. / 1 Gal. Part B } 18.9 Litres

## INSTALLATION INSTRUCTIONS

Concrete should have achieved full cure: normally 28 days. Surfaces should be clean, dry and sound. Remove surface laitance. Mix all of part B into all of part A. Mix with adequate drill mixer until thoroughly mixed, usually 1-2 minutes. Let mixed material stand (induct) for 10 minutes. Always maintain 4A:1B ratio when mixing part batches. Do not add solvents or other thinners. Application can be done with spray, short knap roller, squeegee or brush. In primer applications a 5-mil (wet) coat is adequate. Do not allow the product to pond. Pot life of mixed product is 8 hours.

## STORAGE

Storage: Shelf life of one year from date of manufacture in protected area at 5-40°C (40-104°F).

## PROPERTIES

### Analysis for A-B Mixture

Non Volatile (Wt)	46.0 %
Non Volatile (Vol)	38.1 %
Specific Gravity	0.930
VOC, lbs/gal	4.3
VOC, g/l	517

### Dry Time @ 25°C (77°F)

Thorough Dry	8 Hours
Hard Dry	12 Hours

### Sward Hardness

1 day	14
3 days	24
7 days	26

### Physical Properties (7 day cure @ 25°C (70°F))

Pencil Hardness	no data
Impact, Direct	140
Impact, Reverse	120
Conical Mandrel	Pass
MEK Double Rubs	100+

### Chemical Resistance (3 hour spot tests, covered)

Acetone	4
Xylene	5
10% Acetic Acid	5
2% Nitric Acid	5
10% HCl	5
Methanol	5
10% Sulfuric Acid	5
Isopropanol	5
Gasoline	4
Skydrol LD-4	5
1:1 Ethanol/Water	5
Ethanol	5

5 = No Effect, 1 = Destroyed

**Square Footage 320-500 SqFt. / 3.78 L. / 1 Gal.  
(Depending on Surface Porosity.)**

## SAFETY PRECAUTIONS

Handling: Prolonged contact of component A with skin may cause irritation. Vapor and spray mist are harmful. Use appropriate respirator and protect skin and eyes from contact when using this product. Component B is an irritant. Contact may cause severe burns. Avoid breathing vapors. Avoid eye contact. Wear protective clothing, vapor mask & eye protection. Keep away from children. See MSDS for additional information.

## TECHNICAL SERVICES

Complete technical information is available from Concretech Inc. and its authorized applicators and distributors. In house laboratory testing is available for specialty applications. Technical services available in North America call toll free 1.888.503.6780

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