

CONCRETECH

UltraBond 803

PRODUCT DESCRIPTION

UltraBond 803 is a two-component water base epoxy used where high penetration, adhesion and breathability is the required. UltraBond 803 is formulated to have exceptional resistance to corrosive chemicals and staining. UltraBond 803 Primer / Sealer can be applied directly to wet 4 hour pour concrete with no loss of adhesion.

ADVANTAGES

- high chemical resistance
- very abrasion resistant
- ease of application
- high penetration to concrete
- applicable to wet concrete
- breathable
- solves water vapor transmissions problems
- fast drying and high gloss

USES

UltraBond 803 is used on floors, structures and facades. It spreads easily and produces a uniform glossy look. It can be top coated with DecaThane 200 for better abrasion resistance. Once the primer's appearance turns from cloudy to clear, a waterborne DecaThane 200 topcoat can be applied.

PACKAGING

UltraBond 803 Part A in 11.35 L. / 3 Gal.

UltraBond 803 Part B in 3.78 L. / 1 Gal.

UltraBond 803 A+B Mixture 15.12 L. / 4 Gal. per unit.

INSTALLATION INSTRUCTIONS

Surface should be clean and free from any contamination. For better penetration and adhesion the concrete may be sanded. Substrate temperature should not be below 12°C (54°F) and relative humidity not above 80%. Mix 3.0 parts by volume of Part A with 1.0 part by volume of part B. Use adequate drill mixer and paddle to achieve consistent mix. Allow 5.0 minutes induction time. The pot life for A and B mix is about 4.0 hours at 20°C (68°F). After 4.0 hours the mixture may look unchanged but cannot be used. Wet theoretical coverage is 400 SqFt. per gallon per 4.0 mils thick coat. Apply with roller, brush or spray at approximately 4.0 mils per coat. UltraBond 803 can be recoated after it turns clear. Recoating has to be within 24 hours under normal curing condition. If the sealer is allowed to cure longer than 24 hours, sanding will be necessary. Do not thin with water.

STORAGE

Storage: Shelf life of one-year from date of manufacture in protected area at 5-30°C (41- 86°F).

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.

Concretech Inc.'s sole warranty is that our products have been manufactured to meet with our written specifications. The information herein is general information to assist our customers in determining whether our products are suitable for their applications. Our products are intended for sale to commercial and industrial customers. We require customers to inspect and test our products before use and to satisfy themselves as to contents, suitability and applications. Nothing herein shall constitute any other warranty, express or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent inferred. All patent and trademark rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.

PROPERTIES

Analysis for A-B Mixture

Non Volatile (Wt)	34.0%
Non Volatile (Vol)	32.0%
Specific Gravity	1.05
VOC, lbs/gal	0.48
VOC, g/l	58

Dry Time @ 25°C (77 °F) / hours

Tack Free Time	1.5 Hours
Thorough Dry	2.5
Hard Dry	4.0

Physical Properties (7 day cure @ 25°C(77 °F))

Pencil Hardness	4 H
Taber Abrasion CS-17 Wheel, 1000 g Load 1000 Cycles	164 mg loss
Impact, Direct	160 lbs
Impact, Reverse	160 lbs
Conical Mandrel	Pass
Gloss (60/20)	92/82
MEK Double Rubs	100+

Chemical Resistance (7 day cure @ 25°C (77°F))

10% HCl	6F Blisters
10% Acetic Acid	Film Destroyed
10% Ammonia	No Effect
10% Sulfuric Acid	8MD Blisters
Water	No Effect
Ethanol	Loss of Gloss
Gasoline	No Effect
15% Sodium Hydroxide	No Effect

Square footage is 400 SqFt. / 3.78 L. / 1 Gal.

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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