

PRODUCT DESCRIPTION

DecaThane 200 is a superior performance zero VOC urethane sealer. DecaThane 200 is clear, water based, deep penetrating, and fast drying. DecaThane 200 is safe to handle and work with. DecaThane 200 cures to a water clear, high gloss finish.

ADVANTAGES

Water clear high gloss finish
Long pot life, rapid drying
Tenacious Bond
Odor-free
Extremely good abrasion resistance

USES

DecaThane 200 is a high performance sealer for industrial/commercial finishing applications. A 5-mil (wet) coat will optimize bond with the concrete surface and create a coating with excellent chemical resistance. DecaThane 200 can also be used on commercial and residential concrete floors because of its high stain resistance and flexibility while maintaining film hardness.

PACKAGING

DecaThane 200 part A 2.838 L. / 0.75 Gal.
DecaThane 200 part B 0.946 L. / 0.25 Gal.
DecaThane 200 Mixture 3.78 L. / 1 Gal. kits

LIMITATIONS

DecaThane 200 is a high performance coating and must be installed by persons familiar with coating systems. Test compatibility with substrates prior to application. Use caution when sealing over acid stained floors to ensure that acid/salts are fully neutralized.

INSTALLATION INSTRUCTIONS

Concrete should have achieved full cure. Surfaces must be clean, dry and sound. Remove surface laitance. Pour part B into part A under agitation and mix until a uniform white paste is obtained. Always maintain 3A:1B by volume ratio when mixing part batches. The pot life of the mixed product is 1.0 hour at 20°C (70 °F). After 1.0 hour the mixture may look unchanged but the components have already reacted and will not form a high quality film. High temperature and larger batches will reduce the pot life. Do not re-seal any container that has mixed sealer, as CO₂ gas will generate creating pressure in the container. For best application, flow and penetration DecaThane 200 should be diluted with water after thorough mixing of, part A and part B. One (1.0) part by volume of water can be added and mixed to one (1.0) part by volume of A+B mixture. Always apply a test patch prior to installation to rule out incompatibility, adhesion and application issues. Best adhesion is obtained by applying DecaThane 200 in two coats, primer and topcoat layers. The primer can be made by mixing 5.0 parts (by volume) A with 1.0 part (by volume) B, mix to a uniform paste and then dilute with 3.0 parts by volume of water. Always maintain 3 to 1 by volume for the topcoat and 5 to 1 by volume ratio for the primer. DecaThane 200 may be applied by brush; roller or sprayer at recommended film thickness of 5.0 mils wet and about 1 mil dry. One gallon diluted DecaThane 200 will cover 480 to 640 sqft depending on surface porosity. Allow 1.5 hours to tack free at 20°C (70 °F). Open to light foot traffic at 8 hours and open to heavy traffic in 3 days. The floor may be recoated or top coated after 2-4 hours.

STORAGE

Storage: Shelf life @ 20°C (70°F) is six months from date of manufacture provided that both components are kept in their original containers and unopened.

PROPERTIES

Analysis

Non Volatile (Wt)	>45 %
Non Volatile (Vol)	>41 %
Specific Gravity	1.073
VOC, lbs/gal	~ 0
VOC, g/l	~ 0

Dry Time

Tack Free Time	1.5 Hours
Thorough Dry	8 Hours
Hard Dry	20 Hours

Pendulum Hardness And Gloss

2 Week Cure	108 Seconds
20 Degree	80
60 Degree	95

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

Taber Abrasion CS-17 Wheel, 1000 g Load 1000 Cycles	39 mg. Loss
Impact, Direct	160 lbs
Impact, Reverse	160 lbs
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

Chemical Resistance (3 hour spot tests, covered) Cont:

10% HCl	5
Methanol	5
10% Sulfuric Acid	5
Isopropanol	5

CONCRETECH

DecaThane 200
Pg. 2

Gasoline	4
Skydrol LD-4	5
1:1 Ethanol/Water	5
Ethanol	5

5 = No Effect, 1 = Destroyed

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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