CONCRETECH

DecaThane 450 VOC400

2 Part Solvent Based Urethane

PRODUCT DESCRIPTION

Decathane 450 VOC 400 is a two component solvent based urethane concrete clear sealer and can be used both as a primer and top coat. It shows very good UV resistance and abrasion resistance and high gloss and gloss retention. DecaThane 450 resists hot tire stain, is non -yellowing and highly chemical resistant. Decathane 450 can be sprayed or rolled.

USES

DecaThane 450 is an ideal top coat for metal and concrete substrates where appearance and durability are important. DecaThane 450 is ideal for showroom floors, shopping mall floors, sport complexes, chemical plants, shower walls and floors, pool decks and warehouse walls and floors.

PACKAGING

One Gallon Unit	Part A + Part B = 3.0 Kg + 0.82 Kg
Three Gallon Unit	Part A + Part B = 9.0 Kg + 2.45 Kg

Limitations:

Do not apply Decathane 450 to a concrete floor, less than 28 days old. Do not apply to floors previously covered with any coatings unless it has been completely removed by chemical or mechanical means.

In order for this product to cure to specifications adequate air ventilation must be provided during and after application.

Do not apply at a mils thickness greater than recommended. Too thick of an application may result in solvent entrapment and improper curing. Do not apply in damp or wet weather or in air temperature below 12°C and over 30°C or extremely high humidity.

Vapours from this product may be objectionable.

INSTALLATION INSTRUCTIONS

The area to be coated must be clean, sound, dry and above 12°C. Concrete must be at least 28 days old.

Make sure concrete surface is not covered with any other coatings. The concrete floor should be examined for the presence of moisture. This can be accomplished by calcium chloride test method or by polyethylene sheet method. Ensure water vapor drive does not exceed 3 lbs per 1,000 Sq.Ft. Per 24 hrs.

All oil, grease, wax, laitance, curing compounds, water soluble concrete hardeners and any other surface contaminants must be removed.

Results are best achieved by acid wash preparation. If acid cannot be used, mechanically abrade (shot blasting) to the texture of medium grade sandpaper, then vacuum up any dust.

Decathane 450 is two- component concrete sealer and must be mixed just before application. It is important to remember that this coating has a limited pot life. Mix part A by itself first for one minute. Mix 4.0: 1.0 by volume of part A: part B if partial use of the container is required. Otherwise, pour all part B in the part A and mix for two minutes until completely blended. Try not to introduce air bubbles in the liquid.

Avoid application if the temperature of atmosphere, floor and product are below 12°C or above 30°C. Roll as evenly as possible with a 5 mm nap roller. To lessen bubbling of the coating avoid excessive agitation of the liquids with the roller. Useful working time of the mixture is approximately 1.5 hours at normal application temperatures and conditions of 75°C and 50% relative humidity. Under normal cure condition it takes 3.5 hours for Decathane 450 to dry. If a second top coat is desired allow a minimum of 12 hours but no longer than 18 hours between application of each coat. The coating will be mechanically hardened after 3.0 days and chemically resistant after 7.0 days.

PROPERTIES

Solid Content	60.0% by Weight
NOC/OH	1.10/ 1.00
VOC	399 g/L
Specific Gravity (Theoretical)	1.005 g/cm3
Part A/Part B	4.0/1.0 by Volume
Pot Life	1.5 Hour @21C
Surface Dry	3.5 Hours@ 21C
Coverage = between 200 to 300 sft / Gallon	
Hardening Time	3.0 Days, Mechanical
Gloss (On smooth dense concrete like SLO)	
Flat	300 sft/Gallon
Glossy	170 sft/Gallon
Resistant	
Full Cure	7.0 Days, Chemical Resistant
Pencil Hardness	H
Flexibility	Very Good
MEK Double Rub	100+
Impact Resistance	VG
Conical Mandrel	VG

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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