

CIPADOME® S

Multi Purpose Heavy Duty Epoxy Floor Surfacing

DESCRIPTION

CIPADOME® S is a three component multi purpose epoxy floor topping designed to provide a tough epoxy floor with excellent impact and abrasion resistance. The finished product may be sealed with a clear or colored epoxy topcoat. CIPADOME® S can be installed from 4.8mm to 6.4mm (3/16" to 1/4") in thickness on horizontal surfaces.

WHERE TO USE

CIPADOME® S provides excellent wear and abrasion resistance to industrial fork lift traffic and general production areas. CIPADOME® S is suitable as a protective overlay for new construction or to restore worn concrete floors. It can also be used to protect concrete from exposure to moderate splash and spillage of mild chemicals.

BENEFITS

- \$ 100 % solids, with no offensive odor, zero VOC' s
- \$ easy to apply
- \$ excellent abrasion and impact resistance
- \$ excellent bond to concrete and steel
- \$ available in a wide range of colors
- \$ approved by Canadian Food Inspection Agency

Handling Properties

Resin & Hardener Only:	
Mixed Ratio, by volume	3 parts A : 1 part B
Solids	100%
Mixed Weight (Density). 1.36kg/litre (11.36 lb./US gal)	
Pot Life @ 23°C (74°F) A&B	20 minutes
Initial Set @ 23°C (74°F)	6 hours
Foot Traffic @ 23°C (74°F).....	8 hours
Light Duty Traffic @ 23°C (74°F)	16 hours
Vehicular Traffic @ 23°C (74°F)	24 hours
Full Cure @ 23°C (74°F)	7 days

Data, Cured System 28 days

Compressive Strength	60 MPa (8,700 psi)
(ASTM C-579)	
Tensile Strength	10 MPa (1450 psi)
(ASTM C-307)	
Abrasion Resistance	
(ASTM 4060)	
H22 Wheel, 1000 cycles with grout coat:	0.5 grams loss
Impact Resistance	Pass 160 lb./inch
(ASTM D-2794)	No cracks
Water Absorption	0.10%
(ASTM C67-78)	
Wet Mortar Density	2kg/litre

The above information is representative of actual production runs. Independent test results may vary from the above by approximately ±10%.

APPLICATION

SURFACE PREPARATION

New concrete must be cured for a minimum of 28 days before applying CIPADOME® S. The substrate must be above 10°C (50°F) and must be free of all dirt, waxes, previously applied coatings, oil, grease, laitance and any foreign matter that may interfere with the bond of the topping to the prepared substrate. Cracks and surface defects should be repaired prior to the application of the topping. All concrete surfaces to be treated should be shot blast, or mechanically cleaned to provide a clean tooth for the topping application. If acid etching is the method of choice for preparation of the concrete surface, the etched surface must be thoroughly flushed and dry prior to the topping application. Prime with CIPADITE® PRIMER ST when the concrete is dry or CIPADITE® PRIMER DS when the concrete is damp prior to application of the topping.

MIXING

The mixing equipment used to mix the topping must be clean and free of any contaminants that may be present in the equipment from previously used products. Mix component A first to eliminate the possibility of settlement. Pour all of the liquid from Part A and Part B into the mixing container and mix for approximately

one minute. Add approximately one half of the aggregate and mix until uniform with a slow speed mixer. Gradually add the remaining aggregate and mix until uniform. Place mixed material onto primed surface, using a screed box to desired thickness of 4.8mm - 6.4 mm (3/16" to 1/4"). Areas with pits or depressions should first be filled with a thin troweled coat, carefully working material into the voids, prior to final application of desired thickness. After achieving the desired thickness the CIPADOME® S should be troweled to a smooth dense finish.

LIMITATIONS

Do not apply CIPADOME® S if:

- ? substrate or ambient temperatures are below 10°C (50°F)
- ? concrete is less than 28 days old
- ? areas are exposed to extreme thermal shock
- ? areas are exposed to strong chemicals

COVERAGE

Approximate coverage per unit is:

2.97m² @ 4.8mm (32sq.ft.² @ 3/16")

2.23m² @ 6.4mm (24sq. ft.² @ 1/4")

(Yield is 0.5ft³)

PACKAGING

CIPADOME® S is packaged in:

- a) 25kg unit (0.5ft³ yield)
 - 2.7L Part A+ 0.9L Part B, + 1 x 20kg CIPADOME® S Aggregate
- b) 525kg unit (10.5ft³ yield)
 - 56.7L Part A + 18.9L Part B, +
 - 21 x 20kg CIPADOME® S Aggregate

CLEAN UP

Clean all equipment and installation tools immediately with CPD® Xylol. CPD® Xylol is a flammable solvent. Read the M.S.D.S. before using.

STORAGE

Store in a heated warehouse. Storage at temperatures below 4.5°C (40°F) may cause resin to crystallize

SHELF LIFE

Three years from date of manufacture if kept in original unopened containers under normal heated warehouse conditions.

SAFETY PRECAUTIONS

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS #280 + 280A + 280B

WARRANTY

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job-conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

CPD® makes no warranties with respect to this product, expressed or implied including, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD®'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which CPD® product has been applied. CPD® reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD® shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

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