

DURATHANE 515

AN ALIPHATIC POLYURETHANE COATING

DESCRIPTION

DURATHANE 515 is two components aliphatic polyurethane coating that cures to a gloss, tile-like finish. The end product is a hard, smooth, slick and hard film, which is easily cleaned. It also has a very good resistance to splash and spillage of acids, alkalis and most solvents.

USES

Designed to be used as a finish coat for exteriors of tanks, equipment, piping, structural steel and concrete surfaces where chemical resistance, toughness and weatherability are required. It is an excellent coating for use in chemical processing, pulp and paper, petrochemical, offshore drilling and similar demanding industries.

BENEFITS

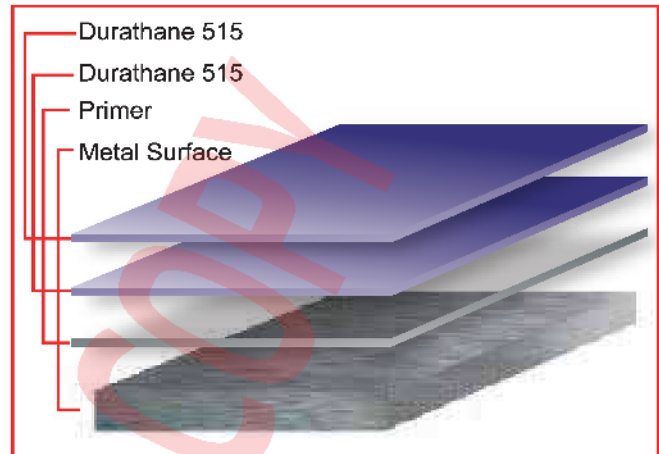
- Excellent chemical resistant
- Excellent gloss and colour retention
- Excellent weatherability
- Excellent abrasion resistance
- Excellent flexibility

COLOR

Available in wide range of colors

FINISH

High - gloss



Technical Data:	
No. of Component	2
No. of Coats Recommended	2
Recommended Dry Film Thickness	50µ per coat
Theoretical Solid Content of Mixed material	60% ± 2%
Mixing Ratio	4.375 : 0.625 by volume of Part A & Part B
Estimated Coverage 60µ	8m ² /litre
Cleaner	Thinner #2
Pot Life	2hours at 25°C
Storage & Shelf Life at 25°C	Above 24 months for Part A & 12 months for Part B
Packaging	5 & 20 Liter

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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AN ALIPHATIC POLYURETHANE COATING

CEMKRETE®

ISO 9001 & 14000 CERTIFIED

APPLICATION PROCEDURE

SURFACE PREPARATION

Remove any oil or grease from surface to be coated with clean rags soaked in cleaning thinner in accordance with SSPC-SP 1-82.

STEEL

Apply over clean, dry surface, recommended primers, and / tiecoats.

CONCRETE

Apply over clean, dry surface, recommended primers, resurfacers and / tiecoats.

APPLICATION

	Material	Surface
Normal	65-85°F(18-29°C)	65-85°F(18-29°C)
Minimum	40°F(4°C)	40°F(4°C)
Maximum	110°F(43°C)	130°F(54°C)

	Ambient	Humidity
Normal	60-95°F(16-29°C)	33-80%
Minimum	40°F(4°C)	0%
Maximum	130°F(54°C)	85%

Do not apply when the surface temperature is less than 5°F (or 2°C) above the dew point. Special thinning and application techniques may be required above or below normal point.

THINNING

Thin up to 10% by volume with Thinner #1

MIXING

Mix separately, then combine and mix: Do not mix partial kits.

Note: Substitute thinners may contain alcohol, which will inhibit the cure of DURATHANE 515.

SPRAY

The following spray equipment has been found suitable and is available from manufacturers such as Binks, DevilBiss and Graco.

CONVENTIONAL

Use a 3/8" minimum I.D material hose, 0.043" I.D fluid tip and appropriate air cap. Hold approximately 12-14 inches from surface and at a right angle to the surface.

AIRLESS

Pump Ratio: 30:1(min.)
 GPM Output: 3.0(min.)
 Material Hose: 3/8" I.D (min.)
 Tip Size: 0.013-0.015"
 Output psi: 2100-2300
 Filter Size: 60-100 mesh
 Teflon packing is recommended and is available from the pump manufacturer.

BRUSH/ROLLER

The use brush is only recommended for touch-up of small areas. Use natural bristle brush while applying with full strokes. For Roller application, use a short nap mohair roller with phenolic core. Avoid rebrushing or re-rolling.

CURING

Curing time differs accordingly based on the recommended dry film thickness.

Surface Temperature	Dry to Handle	Final Cure
40°F(4°C)	36 hours	2 weeks
60°F(16°C)	24 hours	10 days
75°F(24°C)	14 hours	1 week
90°F(32°C)	6 hours	5 days

RAIN RESISTANCE

Requires a minimum cure of three hours at 75oF (24oC) and longer at a lower temperatures. Any moisture exposures before the minimum curing time will decrease the gloss.

HEALTH & SAFETY

Strict precautions as the use of other combustible, volatile solvent must be observed. Use with adequate ventilation. For further information, refer to the product Material Safety Data Sheet, available upon request.

FURTHER INFORMATION

With a wealth of technical and practical experience built up over many years in pursuit of excellence especially in the flooring and concrete technology, make CEMKRETE your partner today. Contact our hotline now.

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