

WEARCOAT 44™

High Performance Polyurethane



DESCRIPTION

WEARCOAT 44 is a solvent based cyclo-aliphatic urethane based coating. It produces a tough, glossy, hard-wearing and chemically resistant surface for the protection of polyurethane and other plastics, concrete, masonry and brickwork. WEARCOAT 44 is available as a transparent, glossy coating or as a pigmented material that possesses excellent hydrolytic stability and ultra-violet radiation resistance as well as high tensile strength.

OUTSTANDING FEATURES

- Provides a long service life
- Accommodates normal substrate movement and thermal stresses
- Withstands heavy use and environmental attack
- Maintains its attractive, clean appearance
- Easily scrubbed and cleaned

APPLICATION

CAUTION! Read this entire data sheet before continuing.

All surfaces to be coated must be clean, dry and completely free of oil, grease, dust, and any other substance that may interfere with adhesion.

Add Part 'B' color concentrate to

the clear Part 'A' and stir thoroughly for 3 minutes. WEARCOAT 44 may be applied by brush, roller or airless spray technique. Apply at a rate of 400 square feet per gallon per coat. Care must be taken to avoid creating foam or trapping air which may result in pinholes or hazing.

Tools and equipment may be cleaned with xylene.

MAINTENANCE

To repair damaged areas, coarse sanding should be followed by thorough cleaning with fresh water. WEARCOAT 44 may then be re-applied to the clean, dry surface.

LIMITATIONS

Store in a cool, dry place away from direct sunlight. Avoid opened containers as moisture will cure the material. Do not apply in temperatures below 35°F. Application must

be protected from precipitation for at least 4 hours. Shelf life is 12 months when stored in factory sealed containers between 45°F and 85°F.

PRECAUTIONS

Read the container label warning and Material Safety Data Sheet (MSDS) for important health and safety information prior to the use of this product.

Keep out of reach of children and pets.

For more information, call our Technical Department.

SPECIFICATIONS	
Coating Type	Two-part aliphatic urethane
VOC	300 grams/liter
Pot Life	3 hours @ 70°F (50% R.H.)
Shelf Life	1 year (unopened) from date of manufacture
Recommended Thickness	4 mils dry film thickness per coat
Coverage	Approximately 2 coats @ 400 square ft per gallon per coat, depending upon substrate
Packaging	Available in 1 gallon and 5 gallon pails
Color	A variety of standard colors and custom colors

PRODUCT DATA

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TECHNICAL DATA		
Flashpoint	110°F	FTMS 141A (M4293)
Shore 'A' Hardness	95	ASTM D-2240
Tensile Strength	4,500 lb/square inch	ASTM D-412
Elongation	10%	ASTM D-412
Solids Content	48% (B.W.); 44% (B.V.)	ASTM D-1044
Flexibility @ Low Temperatures	180 deg. Bend @ 20°F	ASTM C-711
Impact Resistance (4mm indent)	Pass	ASTM D-1474
Water Absorption	Zero	ASTM D570-77
Working Time	3 hours @ 70°F (50% R.H.)	
Drying Time	1½ hours @ 70°F (50% R.H.)	
Cure Time	24 hours @ 70°F	
Resistance to corrosion	10	ASTM D-1654
Weatherometer	5,000 hours - Pass	ASTM G-23

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