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ABOTHANE 8003-3

Clear, one-component moisture-cure polyurethane coating

For Hardwood, Concrete and Seamless Floors

Suggested uses:

Floors in warehouses, factories, chemical and food processing plants, gymnasiums, laboratories, hospitals, schools, offices, RR boxcars, seamless floors, aircraft and missile plants, garages and restaurants.

Features:

- Excellent flexibility
- High abrasion resistance
- High chemical and corrosion resistance
- Excellent wear and anti-skid properties
- Practically colorless
- High-gloss

Benefits:

- Requires very little waxing, if any
- Fast drying: 2 or 3 coats can be applied in 1 day
- Easy to apply: use roller, brush, lamb's wool, or spraygun
- Very economical: far outlasts other coatings
- Effectively seals porous floors and other surfaces



Technical Data:

PROPERTY	DATA
Pull-off Strength ASTM D 4541	1192 psi (8.21 MPa)
Abrasive Resistance ASTM D 4060	0.051g (CS 17/ Load 1000/ Cycles 1000)
Slip Resistance ASTM D 1894	3.5
Chemical Resistance ASTM D 543	Excellent
Impact Resistance ASTM D 4226	47.5
Pencil Hardness ASTM D 3363	4H
Viscosity, cps ASTM D 562	10 cps
% Solids by Weight	40%
Coverage: sq. ft./gal.	315 sq. ft. x 2 mil
Tack-free time, approx.	2 hr.
Hardening time, approx.	12 hr.
Gloss TT-P-141C, Method 6101	20° - 15.2; 60° - 50.1

Surface Preparation:

Concrete: Surface must have cured for at least 28 days, be free of curing compound and clean and dry. Oil, grease and other contaminants must be removed. Fill or resurface damaged or pitted areas with Abocrete™ or Aboweld™ epoxy compound. Areas with interfering alkalinity, moisture and other factors should be primed with Primkote 8006-1.

(continued on back)

(surface preparation continued from front)

Wood: Surface must be clean, dry, free of oil, grease, wax and other contaminants. Remove old paint and finishes. Oil-soaked surfaces need thorough degreasing. Fill and seal cracks and damage with WoodEpoxy®. Prime with Primkote 8006-1 if needed.

Application:

Concrete: Apply the first coat like a primer, namely diluted with equal volumes Abothane 8003-3 and Abosolv or an aromatic solvent. Problem surfaces may need to be primed with Primkote 8006-1 epoxy primer. When tack free (1-2 hours), coat the surface with Abothane 8003-3 undiluted. Tack free in 2-4 hours. Additional 1 or more top coats are advisable for deep gloss and excellent resistance to heavy traffic. Do not leave puddles. Paint rollers, squeegees, brushes or lamb's wool can be used for application.

Wood: A good lamb's wool applicator is probably best to apply the product. Wrap it in cheesecloth if lint pick-up is excessive. 2 coats may be required for stripped close-grained surfaces like maple. Very porous unprimed surfaces may need 3 coats. Buff between coats if necessary. In cases of difficult penetration, Abothane 8003-3 can be diluted 1:1 with Abosolv for the first coat. Prime with Primkote 8006-1 if needed.

Nonskid Coatings: Prepare the surface as above described. Prime the surface with a 1/1 blend of 8003-3 and Abosolv, at a rate of 400 sq. ft/gallon. When tack-free (1-2 hours), a top coat of 8003-3 is applied, at a rate of 200 sq. ft/gallon. This is immediately sprinkled with 40-80 mesh sand of marble fines (about 1 lb. per 4-10 sq. ft.), while the coat is still wet. The excess of sand will be swept or vacuumed away after the resin has hardened (2-4 hours). Additional coats can be applied on top if desirable.

Curing Cycle:

Abothane 8003-3 hardens from chemical reaction with atmospheric moisture. In normal 50% relative humidity at 72° F, 2 to 3 hours are needed for tack-free hardening and 12 to 24 hours for complete hardening. If drying is too slow, humidifiers or vaporizers can accelerate the reaction by increasing the humidity.

Maintenance:

Clean with mild detergent or oil-based soap and water. Use water sparingly on wooden floors and dry quickly. Buff as necessary.

Availability:

Abothane 8003-3 is available in 1 fluid quart and 1 fluid gallon paint cans and in 5 gallon steel pails with bail.

Additional Products:

ABATRON manufactures an extensive line of adhesives, coatings, sealants, repair and maintenance products, potting and encapsulating compounds and chemical specialties. For more information, contact the company as indicated below.

Limited Warranty:

The above information is the result of accurate laboratory and field tests. However, no guarantee is offered as uses and applications are beyond our control. Specifications are subject to state-of-the-art changes. The users are urged to test this product under their own conditions. All warranties, including the implied warranties of merchantability and fitness for a particular purpose, are excluded. In the event of manufacturing defects in the product, purchasers' remedies are limited to the replacement of the product or its purchase price.

Technical Help:

Technical assistance is available by phone at 262/653-2000, by fax at 262/653-2019 or through the company's website, www.abatron.com.

Filing:

File under Division 9 using CSI MasterFormat.

Manufactured by:



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