



DuroPro Engineered Products

DuroPro U-Base

SOLVENT FREE, ELASTOMERIC, AROMATIC URETHANE BASE COAT

DuroPro U-Base is an enhanced, environmentally safe, solvent-free formulation. It provides a monolithic waterproofing membrane with strength and structure to a variety of surfaces and coating systems. DuroPro U-Base is an easily applied, single component, moisture cured, aromatic polyurethane. Designed for use as a base coat, or for repair work on a variety of mature roof systems, such as SPF, Single Ply, Metal, Built Up, Concrete, and Modified Bitumen.

FEATURES & BENEFITS

- Solvent Free
- Low Odor
- Moisture Cured
- Seamless Waterproofing Membrane
- Proven Protection

DIRECTION OF USE

Typical Uses

- Concrete
- Plywood
- Metal
- Wood
- Asphalt
- Masonry Surfaces
- Variety of Roof Systems

Mixing

Before application, mix DuroPro U-Base using a mechanical mixer at slow speed until a homogeneous mixture and color is attained. Use care not to allow the entrapment of air into the mixture. Do not mix in an up and down motion.

Application

For best results use a squeegee or notched trowel. Care should be taken not to cause air bubbles.

Apply DuroPro U-Base evenly over the entire deck. Application should be continuous to ensure a smooth and level coat with no lines or streaks to disfigure the deck. Allow coating to cure a minimum of 16 hours and maximum of 48 hours before proceeding to subsequent coats.

It is recommended that an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in; 0.84-1.19 mm), with 6.5+ Moh's minimum hardness be added to the second wet coat. Most applications require two coats. To obtain proper adhesion between coats, it is imperative that re-coating be done within 48 hours.



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DIRECTION OF USE

Curing

At 70°F (21°C) and 50% relative humidity, allow each coat to cure a minimum of 24 hours between each coat. If more than 48 hours passes between coats, re-prime the surface with appropriate primer before proceeding (see DEP Representative).

DuroPro U-Base is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time, therefore, use caution in batch sizes and thickness of application. Low temperature and/or low humidity extend the cure time.

SAFETY & PRECAUTIONS

Cleanup

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Storage

DuroPro U-Base has a shelf life of 6 months from date of manufacture in original, factory-sealed containers.

Limitations

Surfaces must be dry, clean and free of foreign matter.

For ease of application, solvent free (SF) materials should be applied in temperatures greater than 60°F (15.5°C).

Should be used as a base coat only. Not UV stable.
Cannot withstand direct wear or abrasion.

Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

The following conditions must not be coated with coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, light-weight concrete, asphalt surfaces and asphalt overlays.

Warning

This product contains Isocyanates.



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TECHNICAL DATA

Coverage Rate	1 gal/100 sq. ft. / 0.41 l/sq. m
Tensile Strength	600 ± 100psi / 4.14 ± 0.7MPa
Tensile Elongation	625 ± 50%
Tear Resistance	220 ± 20pli / 38.5 ± 3.9kN/m
Hardness	50 ± 5 Shore A
Specific Gravity	1.34
Total Solids, By Weight	99.99%
Total Solids, By Volume	99.99%
Viscosity at 75°F	6500 ± 2000 cps
VOC	<0.001 lb/gal / <10 gm/liters
Dry Film Thickness, per Coat	16 mils / 406 microns
Color	Grey, Tan (Custom colors available, please ask a DEP Representative)
Packaging	5-gallon pail (18.9 liters) / 55 gallon drum, net 50 gallons (189 liters)

* This information is intended only as a guide for design purposes. The values shown are the average values obtained from sprayed laboratory samples. The test methods were performed per the ASTM Book of Standards. Higher or lower temperature & humidity conditions will affect dry time. The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to that description. Product specifications and performance will vary depending on application methodologies, raw materials, and other factors.

Please read all information in the general guidelines, technical data sheets, application guide, and safety data sheets (SDS) before applying material. Published technical data and instructions are subject to change with- out notice. Contact your local DEP Representative or visit our website for current technical data and instructions. DISCLAIMER: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and DuroPro Engineered Products makes no claim that these tests or any other tests, accurately represent all environments.