

DESCRIPTION

eNdura P70 is a two component, ultra high solids, aliphatic Polyaspartic polyurea designed to provide high gloss, UV stable (non-yellowing) and chemical resistant protection. *eNdura P70* is a superior, new generation product exhibiting fast cure and excellent stain resistance.

eNdura P70 has very low odor and can be applied indoors in occupied areas. It is generally used as a clear, high gloss finish on eNdura high performance resin chip system.

ADVANTAGES

- VOC compliant
- Fast set times
- Excellent UV resistance
- Very high gloss
- Excellent abrasion resistance
- Chemical & stain resistance
- Low odor; can be used in occupied areas

IMPORTANT CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Do not apply over damp or wet substrates
- Avoid applications on surfaces with active moisture vapor transmission
- Very fast set (short working time)

COMPOSITION

- Two component, catalyzed Polyaspartic polymer

APPLICATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in *Duraamen's* Technical Bulletin # 1. Work must be performed by trained or experienced contractors or maintenance personnel. The Duraamen Company's service department is pleased to answer any technical questions.

INSTALLATION

eNdura P70 is a two component material (2 parts A to 1 part B by volume). Add Part B to Part A while mixing, using a slow speed mechanical mixer (Jiffy mixer). Mix until a homogenous mixture is obtained (approximately 3minutes). Use care to scrape sides and bottom of container to ensure that no unmixed material remains. Do not whip too much air into the material which may result in pinholes or blisters. Do not mix more material than can be used in 15-20 minutes.

eNdura P70 will begin to increase in viscosity immediately after mixing and will double in viscosity within 17-20 minutes. Material should be in place at this point.

Immediately after mixing, pour material on floor in a ribbon and spread with a flat trowel or notched squeegee depending on thickness of application. Typical application is 8-12 mils (130-200ft²/gal). Backroll spread material gently with a short nap mohair roller. Do not over roll and entrap air. Total application time should take no longer than 15 minutes. Up to 5% solvent (Xylene or MEK) may be added at time of mixing to slightly lower viscosity and lengthen pot life.

eNdura P70 will be tack-free in 2.5 hours at 70°F and 50% relative humidity. Allow 4 hours between coats if applying more than one coat. Light pedestrian traffic is possible after 4 hours, 24-48 hours before heavy pedestrian or automotive traffic. It is highly stain resistance and hot tire resistant after 48 hours.

COLOR SELECTION

eNdura P70 is available in CLEAR formulations only.

COVERAGE

eNdura P70 yields 160 ft² per gallon at 8-10 mils. Up to 15 mils is possible in one application but it will exhibit a longer set time.

MAINTENANCE

After completing the application of *eNdura P70*, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. It is easily cleaned with neutral soaps or detergents.

TECHNICAL SERVICE

Duraamen Building & Allied Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

TECHNICAL DATA

Viscosity @ 75°F	350 – 400cps
Mixing Ratio	2 parts A to 1 parts B By volume
Solids Content	95-97% by volume
Volatile Organic Content	35.8 gm/L
Weight Per gallon	8.77 pounds per gallon, mixed
Tensile strength ASTM D412	3000-4000
Hardness Shore D 24hr	25-30

CURE/DRY TIME

Pot Life	20 minutes
Dry to Touch	2.5 hours @ 75°F
Re-Coat	4 hours @ 75°F
Light Traffic	4 – 5 hours @ 75°F
Heavy traffic	48 hours

CHEMICAL RESISTANCE

REAGENT	RATING
Acetic Acid – 5%	L
Acetone	L
Ammonium Hydroxide 38%	R
Beer	R
Brake Fluid	L
Bleach	L
Citric Acid – 30%	R
Citric Acid – 40%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	R
Hydrochloric Acid – 15%	R
Lactic Acid – 15%	R
Lactic Acid – 50%	L
Methyl Ethyl Ketone	L
Nitric Acid – 10%	L*
Orange Juice	R
Peroxide – 35%	L
Phosphoric Acid – 85%	L
Iodine	L
Skydrol	R
Sodium Hydroxide – 50%	R
Sulfuric Acid – 20%	R
Toluene	L
Urea	R
Vinegar	R
Xylene	L

R – Recommended for continuous service
 L – Limited recommendation, occasional spills
 * - May cause slight stain or discoloration

WARRANTY

Duraamen Building & Allied products, Inc. warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of *Duraamen*. If any product fails to meet this warranty, the liability of *Duraamen* will be limited to replacement of any non-conforming material if notice of such non-conformity is given to *Duraamen* within (1) one year of delivery of materials. *Duraamen* may in its discretion refund the price received by *Duraamen* in lieu of replacing the material. No customer, distributor or representative is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of *Duraamen*. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. *Duraamen* reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. DURAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DURAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY OTHER THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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