

DESCRIPTION

endüra E21 is a 100% solids, pigmented epoxy floor coating designed to provide high gloss, chemical resistant protection. It is essentially odorless and can, therefore, be used in occupied areas. *endüra E21* provides a smooth, high gloss finish or, in a heavy body form, an orange peel, texture finish. It can be broadcasted with resin chips.

ADVANTAGES

- Low odor during application and cure
- Zero VOC
- Easy application and clean-up

SUBSTRATE REQUIREMENTS

- Substrate temperature must be a minimum of 50°F and relative humidity below 85% for proper curing.
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Not recommended for immersion in oxidizing agents or mineral acids

COMPOSITION

- 100% solids epoxy, aliphatic amines and fillers

COLOR SELECTION

- *endüra E21* is available in Standard Colors and custom colors as approved.

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

endüra E21 is spread with a trowel or squeegee and back-rolled with a medium or short nap roller. Care should be taken to minimize the entrapment of air caused by over-rolling.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

COVERAGE

endüra E21 yields 160ft² per gallon at 10mils film thickness.

AVAILABILITY

endüra E21 is available throughout the United States and Canada. Contact *Duraamen* representative in your area for details.

MAINTENANCE

After completing the application of *endüra E21*, the installer should provide the owner with maintenance instructions. *endüra E21* 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	1500cps
Mixing Ratio	4 parts A to 1 parts B by volume
Solids Content	100% by volume
Volatile Organic Content	-0-
Weight Per gallon	11.0 pounds per gallon, mixed

CURE/DRY TIME

Pot Life	40 minutes @ 75°F
Dry to Touch	10-12 hours @ 75°F
Light Traffic	24 hours @ 75°F
Full cure & maximum resistance	5 days @ 75°F

Corporate office

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CHEMICAL RESISTANCE

Reagent	Rating
Acetic acid – 10%	R
Ammonia Hydroxide – 10%	R
Brake fluid	L
Citric acid-5%	R
Crude oil	R
Diesel fuel	R
Ethylene glycol	R
Fatty acids	L
Gasoline	R
Orange Juice	R
Peroxide-35%	L
Tri-sodium phosphate – 5%	R
Sodium Hydroxide-50%	R
Urea – 6.6%	R
Vinegar	L
Xylene	L

R- Recommended for continuous service
L-Limited recommendation, occasional spills

PERFORMANCE PROPERTIES

Tensile Strength ASTM C307	2300psi
Smoke Deposited ASTM E162	4mg max
Flame Spread ASTM 162	25max
Shrinkage ASTM C531	<0.5%
Adhesion ACI503R	300psi (100% concrete failure Type 1)
Hardness ASTM D2240	75 shore D
Abrasion, Taber CS-17 ASTM D4060	0.065 g loss
Impact Resistance MIL D 3134J	Withstands 16 ft/lb. no cracking, delamination or chipping
Indentation MIL D 3134J	Withstands 2000lbs/sq.in for 30min without indentation
Heat deflection temperature	110 ⁰ F
Moisture Absorption	<1%
Flexural Strength ASTM C580	5000psi
Compressive Strength ASTM C579, 25 day cure	12000psi

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.