

Perdure E10

100% solids epoxy sealer/binder

DESCRIPTION

Perdure E10 is a 100% solids, multipurpose epoxy binder for Düraamen self leveling mortar and quartz systems. This all purpose epoxy resin is characterized as an excellent general purpose material with good clarity and color retention. It is essentially odorless and therefore can be applied in occupied areas.

ADVANTAGES

- Good troweling properties when used with Duraamen self leveling epoxy mortar and quartz systems
- Excellent color retention when used as a topcoat with Düraamen flooring systems
- Good troweling properties when used in mortar systems
- Low odor for use in occupied areas
- Available in fast cure systems
- USDA approved for food handling applications

SUBSTRATE REQUIREMENTS

- Bonding surfaces must be sound, clean, and free from standing water
- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Pigmented version should not be used as a top coat

COMPOSITION

- 100% solids amine cured epoxy resin

APPLICATION

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

INSTALLATION

It will vary with the application purpose and method.

For complete installation instructions, contact your Düraamen representative.

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

80–160 sq.ft. per gallon depending upon the application method and porosity of the substrate.

AVAILABILITY

Perdure E10 is available throughout the United States and Canada. Contact Düraamen representative in your area for details.

MAINTENANCE

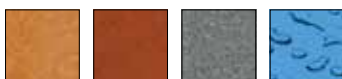
After completing the application of Perdure E10, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Perdure E10 is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat.

COLOR SELECTION

Perdure E10 is available in Clear or Standard Colors. Custom colors are available subject to laboratory approval, minimum quantity, lead time for production, and increased cost.

TECHNICAL SERVICE

Düraamen Engineered 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	950cps
Mixing Ratio	4 parts A to 1 parts B by volume
Solids Content	100% Solids by volume
Volatile Organic Content	-0-
Gloss, 600F	85-100
Weight Per gallon	9.00-9.50 pounds per gallon, mixed
VOC	Zero

CURE/DRY TIME

Pot Life	30-40 minutes
Dry to Touch	6-8 hours @ 75°F
Re-Coat (regular cure)	10-12 hours @ 75°F
Re-coat (fast cure)	4-6 hours @ 75°F
Full cure, max. resistance	5 days

PERFORMANCE PROPERTIES

Tensile Strength ASTM D638	8500psi
Elongation ASTM D638	5.5%
Adhesion to Metal	2500psi
Adhesion to Concrete ACI403	350psi (concrete fails)
Hardness ASTM D2240	80 (Shore D)
Service Temperature MILD 3134F	160F (immersion) 185F (dry heat)
Abrasion resistance ASTM C501	35-40 mg loss (CS-17 wheel, 1kg load, 1000loads)
Impact Resistance, MILD 3134F	Withstands 16ft/lb – no cracking, delamination or chipping
Indentation MILD 3134F	Withstands 2000lb/sq.in for 30min without indentation
Water Absorption ASTM D 670 63 (24hr immersion)	0.10% maximum
Flexural Strength, ASTM D790	8000psi
Compressive Strength, ASTM D 695	11000psi

CHEMICAL RESISTANCE

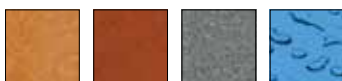
REAGENT	RATING
Acetic Acid – 5%	L
Acetone	L
Bleach	L
Citric Acid – 30%	R
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	R
Hydrochloric Acid-15%	R
Lactic Acid -15%	R
MEK	L
Nitric Acid – 10%	R
Skydrol	R
NaOH-50%	R
Sulfuric Acid-20%	R
Toluene	R
Urea	R
Vinegar	L
Xylene	R

R- Recommended for continuous service

L – Limited use, occasional spills

WARRANTY

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