

DESCRIPTION

Perdüre 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 Düraamen self-leveling epoxy mortar and quartz systems
- Excellent color retention when used as a topcoat with Düraamen flooring systems
- Good trowelling 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

Perdüre E10 yields 200ft² per gallon at 5-6 mils film thickness.

AVAILABILITY

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

MAINTENANCE

After completing the application of *Perdüre 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. *Perdüre 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

Perdüre 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 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.

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

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, 60°F	85-100
Weight Per gallon	9.00-9.50 pounds per gallon, mixed
VOC	Zero

Corporate office

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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 ASTMD638	5.5%
Adhesion to Metal	2500psi
Adhesion to Concrete ACI403	350psi (concrete fails)
Hardness ASTM D2240	80 (Shore D)
Service Temperature MIL D 3134F	160F (immersion) 185F (dry heat)
Abrasion resistance ASTM C501	35-40 mg loss (CS-17 wheel, 1kg load, 1000loads)
Impact Resistance, MIL D3134F	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

WARRANTY

Düraamen 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 *Düraamen*. If any product fails to meet this warranty, the liability of *Düraamen* will be limited to replacement of any non-conforming material if notice of such non-conformity is given to *Düraamen* within (1) one year of delivery of materials. *Düraamen* may in its discretion refund the price received by *Düraamen* 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 *Düraamen*. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. *Düraamen* 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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