

## DESCRIPTION

**Perdüre E20** is a 100% solids, pigmented epoxy floor coating designed to provide high gloss, chemical resistant protection. *Perdüre E20* should be used wherever a high build, corrosive resistant, protective floor coating is required. It is essentially odorless and can, therefore, be used in occupied areas. *Perdüre E20* provides a smooth, high gloss finish or, in a heavy body form, an orange peel, texture finish.

## 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

- *Perdüre E20* 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 *Düraamen's* 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

*Perdüre E20* 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. *Perdüre E20* can also be applied by airless or conventional spray.

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 E20* yields 160ft<sup>2</sup> per gallon at 10mils film thickness.

## AVAILABILITY

*Perdüre E20* is available throughout the United States and Canada. Contact *Düraamen* representative in your area for details.

## MAINTENANCE

After completing the application of *Perdüre E20*, the installer should provide the owner with maintenance instructions.

*Perdüre E20* is easily cleaned with neutral soaps or detergents.

## 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.

## TECHNICAL DATA

Viscosity @ 75°F	950cps
Mixing Ratio	2 parts A to 1 parts B by volume
Solids Content	100% by volume
Volatile Organic Content	-0-
Weight Per gallon	11.5 pounds per gallon, mixed

## CURE/DRY TIME

Pot Life	30-35 minutes
Dry to Touch	10-12 hours @ 75°F
Re-Coat	12-16 hours @ 75°F
Light Traffic	24 hours @ 75°F
Full cure & maximum resistance	5 days

## CHEMICAL RESISTANCE

Reagent	Rating
Acetic acid – 10%	L
Acetone	L
Ammonia Hydroxide – 38%	L
Beer	R*
Bleach	L
Brake fluid	L*
Citric acid-30%	R
Citric acid-40%	L
Crude oil	R
Diesel fuel	R
Ethylene glycol	R
Fatty acids	L
Gasoline	L
Hydrochloric acid-15%	R
Lactic acid-15%	R
Lactic acid-30%	L
Methyl Ethyl Ketone	L
Nitric acid-10%	R*
Orange Juice	R
Peroxide-35%	L
Phosphoric Acid-85%	L
Skydrol	L
Sodium Hydroxide-50%	R
Sulfuric acid-20%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

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

## 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°F
Moisture Absorption	<1%
Flexural Strength ASTM C580	5000psi
Compressive Strength ASTM C579, 25 day cure	12000psi

## 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. DÜRAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DÜRAAMEN 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.