

# Perdure E12

100% solids, UV stable epoxy sealer/glaze

**düraamen**  
engineered to perform

## DESCRIPTION

Perdure E12 is a 100% solids epoxy glaze specially formulated for excellent clarity and water-white appearance. It is resistant to ultra violet (UV) exposure. Perdure E12 provides a wear and abrasion resistant finish that resists the normal ambering of epoxy finishes. With low odor and minimal health risks, Perdure E12 is the ideal top coat for concrete and polymer concrete overlays.

## ADVANTAGES

- Excellent clarity and color retention
- Low odor during application and cure; can be applied in occupied buildings
- UV resistant epoxy topcoat
- Meets USDA requirements for food handling applications

## 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
- Cure times will be extended in conditions of high humidity and poor ventilation

## COMPOSITION

Perdure E12 is formulated based on 100% solids epoxy resin with cycloaliphatic amines.

## 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.

## INSTALLATION

Installation of Perdure E12 varies with application needs. Typically, it is spread with a notched or flat trowel or squeegee and back rolled with a short nap roller. Care should be taken to minimize air entrapment by over-rolling. For complete installation instructions, contact your Düraamen technical 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

Perdure E12 yields 160ft<sup>2</sup> per gallon at 8-10 mils film thickness.

## AVAILABILITY

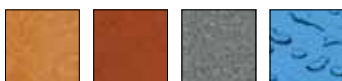
Perdure E12 is available throughout the United States and Canada.

## MAINTENANCE

After completing the installation, the applicator 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 E12 is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Treating the surface with a floor finish (Smärtgard) is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat.

## 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.



düraamen engineered products, inc.

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## TECHNICAL DATA

Viscosity @ 75°F	600-1000cps
Mixing Ratio	1 parts A to 2 parts B by volume
Solids Content	58% by volume
Bond Strength to Concrete	400-500psi (100% concrete failure)
Weight per gallon	8.75lb/gallon, mixed
Pot life	25-35minutes
Dry to Touch	6 hours @ 75°F
Re-coat	8-24 hours @ 75°F
Light Traffic	24 hours @ 75°F
'H' hardness	2 days
'5-H' Hardness	30 days
Volatile Organic Content	<50gm/L

## CHEMICAL RESISTANCE

REAGENT	RATING
Acetic Acid – 5%	L
Acetone	L
Ammonia Hydroxide – 38%	R
Beer	R
Brake Fluid	L*
Bleach	R
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 – 50%	L
Methyl Ethyl Ketone	L
Nitric Acid – 10%	R*
Orange Juice	R
Peroxide – 35%	L
Phosphoric Acid – 85%	L
Skydrol	R
Sodium Hydroxide – 50%	R
Sulfuric Acid – 20%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

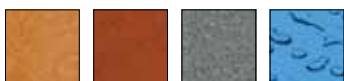
R – Recommended for continuous service

L – Limited recommendation, occasional spills

\* - May cause slight stain or discolorat

## WARRANTY

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