

Perdure E10 CV

Epoxy Paste for Cove Base

DESCRIPTION

Perdure E10 CV is a multipurpose epoxy binder with the consistency of paste. It's primarily used with cove base, seamless wall to floor applications. This multipurpose epoxy resin has excellent thixotropic properties, making it ideal for use on vertical surfaces and as a general-purpose spackle and filler. It's also useful as a grout coat to fill small potholes before grinding and polishing concrete floors. Perdure E10 CV is virtually odorless, making it usable in occupied areas.

ADVANTAGES

- Excellent non-sag thixotropic properties make Perdure E10 CV suitable for use as a vertical-grade spackle or filler compound— with or without aggregate.
- Low odor for use in occupied areas.
- Satisfies USDA requirements for use in food handling applications.
- Can be used to fill small potholes or patching compound

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

APPLICATION

The application method depends upon the type of flooring system and intended use. Consult your Duraamen Technical Representative.

COLOR

Perdure E10 CV is available in Clear formulation only. Epoxy pigment packs can be added on-site for pigmented applications.

COMPOSITION

100% Solids Amine Cured Epoxy Resin with thixotropic filler.

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

The coverage depends upon the application method.

CURE/DRY TIME

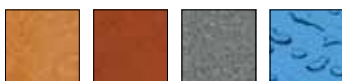
Pot Life	35 to 45 minutes @ 70°F
Recoat time	16 to 18 hours
Full Cure	5 days @ 70°F
Full Cure	14 days @ 70°F

TECHNICAL DATA

Viscosity	50K CPS, mixed – non-sagging paste
Mix Ratio	4 parts A to 1 Part B by Volume
Solids Content	100%
VOC (EPA Method 24)	0 g/L, compliant to low VOC Rule 1113 in all 50 states
Weight/gal	9.25 to 9.5lb mixed

PERFORMANCE PROPERTIES

Tensile Strength (ASTM D638)	8500psi
Elongation	5.5%
Compressive Strength (ASTM D695)	11000psi
Adhesion to Concrete (ASTM D7234)	300psi (concrete failure varies by concrete strength)
Hardness, Shore D (ASTM D224)	80
Abrasion Resistance (ASTM D4060)	35 to 40 mg loss
Water Absorption (ASTM D670-63, 24hr) 0.10% maximum	
Impact Resistance (MIL D3134J)	Withstands 16ft/lb, no cracking, delamination of chipping
Indentation (MIL D3134J)	Withstands 2000lb/sq.in for 30 min without indentation
Elevated Temperature Resistance (MIL D3134J) No Slip of flow at required temperatures at 158°F	
Flexural Strength (ASTM D790)	8000psi



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 splash/spill service
L – Limited recommendation (occasional spills, may cause slight stain or discoloration)

AVAILABILITY

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

MAINTENANCE

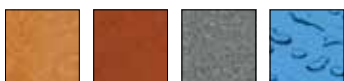
After completing the application of Perdure E10 CV, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Perdure E10 CV is easily cleaned with neutral soaps or detergents. Routine mechanical 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.

TECHNICAL SERVICE

Duraamen Engineered Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

WARRANTY

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