

Perdure E10 CV

Cove Base Epoxy Paste Concrete Floor Coating



Installation Instructions for use with Epoxy Mortar Flooring

Installing a cove base with Perdure SLE, Perdure HBE or other epoxy mortar-based floor coatings.

All Duraamen Resinous Flooring systems can be installed with an integral cove base to provide seamless wall to floor protection. The outline below explains the mixing and installation procedure for installing cove base for self-leveling epoxy mortar systems.

Installation of an integral cove base typically terminates at the floor line by cutting a straight line at the bottom of the cove and installing the cove up to that point. The top of the cove usually terminates with a divider strip. Troweling over a masking tape border is acceptable if the tape is pulled before the resin mix begins to harden.

Material Estimate

thickness: 1/8" | height: 4" | radius: 3/4", 100 feet length

1. Primer, Perdure E020.75 to 1.0 gallon
2. Cove paste, Perdure E10 CV2.50 gallon
3. Blended Mortar Aggregate150lb
4. Cove Powder0.50 gallon
5. (Optional) 1/8" plastic cove strip 100 feet

Note:

1. For placement of cove strip, snap the chalk line at the bottom of the strip.
2. For 6" high and 1" radius cove base, add 20-25% additional material to the estimate shown above

Recommended batch quantities

1. Perdure E10 CV Part A0.50 gallon
mixed with Perdure E10 CV Part B..... 1 Pint
2. Blended Mortar Aggregate35 to 50 lb
3. Cove powder 1 pint

Estimate batch coverage—25 to 30 linear feet at 1/8" thickness (may vary with the thickness as well as the radius of the cove base)

Some installers prefer a more resin-rich mix design; additional quantities of Perdure E10 CV must be factored for this. Duraamen highly recommends installing a sample to confirm one's preference.

Installation of the Cove Base

A. Priming: It is essential to prime the wall surface before installing the cove base. Priming ensures maximum adhesion to the applied substrate and helps mixed cove material to adhere to the vertical surface. Apply the cove base mortar while the primer is tacky. Drywall requires more than one application of primer due to its absorption. Mix Part A and Part B of Perdure E02, epoxy primer, as per instructions in the technical datasheet. Apply the mixed Perdure E02 with a 3/8" nap roller onto the wall surface. Allow the primer to become tacky before proceeding to the next

step (typically 90 minutes depending upon the temperature and humidity).

B. Mixing and applying cove base mortar:

1. Stir each component before mixing them.
2. Mix 4 parts by volume of Perdure E10CV Part A with 1 part by volume of Perdure E10CV Part B for three minutes with a low-speed electric drill and jiffy mixer.
3. Transfer to KOL Mixer and add Cove Powder to the premixed Perdure E10 CV.

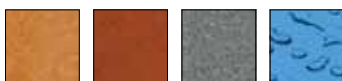
Duraamen recommends the use of KOL Mixer when preparing cove base material. If a KOL or similar mixer is not available, use a handheld mortar mixer or helical mixer with a heavy-duty hammer drill in a 5 gallon or larger container. Insufficient mixing of cove base material results in a stiff, dry, and hard to trowel blend that may not bond properly to the substrate.

4. Mix the resin/aggregate mortar for 3 to 4 minutes or until aggregate uniformly is wet.
5. Using a cove base trowel, apply the cove base mixture vertically on to the primer tacky wall surface at 1/8" thickness.
6. Place the material at the cove and form a cove radius using the appropriate cove trowel.
7. Terminate the bottom of the cove base and install flooring up to the base. Termination can be either feather edge or squared vertical face equal in thickness to the flooring system depending on the thickness/type of the flooring system and installer preference. The floor system mustn't terminate in a manner that creates a ridge that is a dirt-trap.
8. Optionally use 99% anhydrous isopropyl alcohol (IPA) to keep the cove trowel clean. A clean trowel helps to smooth trowel marks while placing the cove base mortar.

CAUTION: Do not use spray IPA directly on the cove base unless you have extensive experience with this technique.

Sealing the Cove Base

Grout and seal of the floor over the entire area receiving the system. The cove base should also receive the same grout and seal as the finished floor to provide proper performance and appearance. Seal the cove base with the same resin(s) used to topcoat the flooring system, e.g., Perdure P72/P90, Perdure U90, or Perdure U45/46.



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