

## Installation Instructions | Cove Base Urethane Concrete

All Duraamen Urethane Concrete 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 procedures for installing a cove base for urethane concrete solid color flooring system. An epoxy mortar-based cove system can be substituted depending on the type of flooring system and project requirements.

Installation of an integral cove base is typically terminated 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 is frequently terminated 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: 3/16"–1/4" | height: 4" | radius: 3/4", 100 feet length**

1. Primer, Perdure E02 .....0.75 to 1.0 gallon
2. Perdure UMC CV .....8 to 10 kits
3. (Optional) 1/8" plastic cove strip ..... 100 feet

**Note:**

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

### Installation of the Cove Base

**A. Priming:** It is very important to prime the wall surface prior to 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. Dry wall will require 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 data sheet. 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).

**Note:** DO NOT use Perdure UMC SC as cove base primer. Dry wall will require replacement with cement board or tile backer board.

### B. Mixing and applying cove base mortar:

1. Stir each component prior to mixing them together.
2. Mix 1/4-gallon unit of Perdure UMC CV Part I with 1/4 gallon unit of Perdure UMC V Part II for 15 to 30 seconds with low speed electric drill and jiffy mixer or suitable mortar mixer.

3. Mix resin-aggregate mortar mixture for approximately 1 minute or until aggregate is uniformly wet. Do not over mix or working time will be shortened. Working time is approximately 15–20 minutes at 70°F and 50% RH. In warm temperatures, the working time will decrease. Consider cooling the materials to maintain an adequate working time.

**Yield:** Approximately 12 ft<sup>2</sup> yield at 1/4" or 17ft<sup>2</sup> at 3/16" on a vertical flat surface (does not include material required for forming a radius onto the floor).

*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. Using a cove base trowel, apply the cove base mixture vertically on to the primer tacky wall surface at 3/16"-1/4" thickness.
5. Place the material at the cove and form a cove radius using the appropriate cove trowel.
6. 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 becomes a dirt-trap.
7. Optionally use MEK or its substitute to keep the cove trowel clean. A clean trowel will help to smooth trowel marks while placing the cove base mortar.

**CAUTION:** Do not use Isopropyl Alcohol IPA. This may cause an adverse reaction with Perdure UMC CV!

### Sealing the Cove Base (if specified)

The grouting and/or sealing of the floor should be performed 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. The cove base should be sealed with the same resin(s) used to topcoat the flooring system, e.g., Perdure UMC SC, Perdure P72/P90, Perdure U90 or Perdure U45/46.

