



## Product Information

**BDC 3100COVE**

**COVE EPOXY**

### Description

BD Classic 3100COVE is a two component, 100% solids, thickened, low odor, cyclo-aliphatic, chemical resistant epoxy. This highly versatile epoxy comes in clear and a variety of pigmented colors.

### Uses

BDC 3100COVE is used for seamless flooring applications in kitchens, bathrooms, restaurants, and commercial use where a seamless wall to floor is essential for sanitation. Coving is usually applied 4-6 inches but can be installed to wainscot height.

### Advantages

- Meets USDA Criteria
- 100% Solids
- Chemical Resistant
- High Strength
- Water Clear or Pigmented
- Durable yet Flexible
- Low Odor
- High Build
- Concrete Repair
- Coves Tighter

### Coverage

3-quart kit covers approximately 33 lineal feet on a 4 inch cove

### Colors

Cape Cod Gray, Deep Tan, Travatan, Tile Red, Black, White

### Packaging

3 quart kits  
1 ½ gallon kits  
15 gallon kits

### Inspection

The vertical surface must be clean and sound.

### Surface Preparation

If installing cove over FRP panel, stainless steel

or previously coated surface abrade prior to installation. If surface is deteriorated repair with 7200 Crack Patch paste reinforced with fiber glass tape or in extreme cases replace the wall where deteriorated.

### Mixing

Use a 5 gallon pail using a 1/2 drill motor with a Jiffy type paddle. Mix 2 quarts part A with 1 quart part B (by volume) and blend thoroughly. Add 9-12 quarts of color quartz, silica sand, or similar aggregate per ¾ gallon of 3100COVE. For smaller batches use the same ratio as mentioned above. Make sure to mix 3100COVE at 2 parts A to 1 part B by volume. Do not thin with solvent.

### Application

Prior to coving, install cove termination strip with an adhesive or screws at the predetermined height. Prime the wall and 1½ inches on the floor with BDC 3100, BDC 3300 or BDC 7200 Gel. If using the BDC 3100 or BDC 3300 as a primer, let epoxy tack before applying cover epoxy. If using BDC 7200 Gel as a primer, it is best to apply cove material immediately over wet BDC 7200G.

Apply cove material on wall with a trowel or broad knife, leave enough cove material on floor to leave a ¾ to 1 inch radius. Smooth material with a 6 inch inside step cement tool. Use Denatured alcohol for trowel lubricant.

### Drying Time

- Clear 5-6 Hours
- Pigmented 7-8 Hours

### Limitations

Uncured material can be removed with a solvent. Cured material can only be removed mechanically.

### Clean Up

Uncured material can be removed with a solvent. Cured material can only be removed mechanically.

Viscosity (ASTM-D-445-83, Brookfield, RVTD, Sprindler 4)	1030 cps
Gel time (Techne GT-4 Gelation Timer)	55 (150 mass/min)
Tensile Strength (ASTM-D-638-86)	7,250 psi
Tensile Modulus	385,000 psi
Tensile Elongation (ASTM-D-638-86)	5.5 %
Heat Deflection at 264 psi (ASTM-D-648) *	47 C
Shore D Hardness (ASTM-D-2240-86) *	81
Abrasion Resistance @ 1000 cycles Wt. Loss (gms)	0.0041
Mar Resistance (ASTM-D-5178-91)	1.30 kg
Pencil Hardness	2H
Impact, inches-lbs Direct/Reverse	14/1
Glass Transition Temperature (ASTM-D-3418-82)	124 F
Color (ASTM-D-1544-80)	>1 Gardner
Thin Film Set Times at 70 F (BK Drying Recorder)	6 hrs.
Flexural Strength (ASTM-D-790-88)	12,185psi
Flexural Modulus	445,00 psi
Cross Hatch Adhesion (0-Worst, 5-Best)	4
Compressive Strength @ yield (ASTM 695-85)	11,550psi
Compressive Modulus (ASTM 695-85)	370,000 psi
Glass Transition	46C
Chemical Composition	Modified Bisphenol A epoxy resin crosslinked with aliphatic and cycloaliphatic polyamines