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### 1.17.3 Parging (Cementitious Coating)

Because long-term exposure to ultraviolet rays will have negative effects on the EPS, it is necessary to provide cover for that portion of the wall that is exposed from grade level to the point at which the exterior finish begins. Most model building codes will not allow the siding or brick veneer used above grade to be continued to grade level. A minimum of 6" – 8" is required between grade level and the exterior finish. This area is most often covered with parging (cementitious coating) to provide a barrier to the ultraviolet rays, and provides an aesthetically pleasing exterior. Prior to application of a parge coat, the EPS wall surface must be free of any dirt, debris or UV degradation to allow proper adhesion of the parge coat material.

Arxx™ Building Products offers a product that has been designed specifically for use on EPS foam.

Parging is usually applied with a trowel. It goes on quickly and easily in three simple steps.

1. The first step is to spread on a skim coat of PrepCoat B2000, or other EPS compatible parging material.
2. While the skim coat is still wet, use the trowel to embed the mesh into the skim coat. Allow to cure while working on another area in the same manner. When the area is cured, apply a second coat of B2000 or equivalent.
3. Allow the second coat to cure and the surface will be ready for paint, or it can be left as is.

**ALWAYS FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS WHEN APPLYING HARD COAT CEMENTITIOUS MATERIALS.**



# DuROCK **B2000** DRY MIX BASE COAT

## PRODUCT DESCRIPTION

*B2000* is an acrylic-modified cementitious dry mix base coat designed for use over Arxx Wall Systems high-density Expanded Polystyrene (EPS) Insulated Concrete Forms (ICF). *B2000* forms a strong yet flexible base coat that eliminates problems normally associated with jobsite mixing (ie. the addition of Portland Cement).

*B2000* can be applied in coats ranging from  $\frac{1}{16}$  to  $\frac{1}{8}$  in. (1.6 to 3.2 mm). *B2000* can be trowel-applied with a stainless-steel trowel, or spray-applied through a  $\frac{1}{4}$  inch orifice at 20 psi. One 50 lb (22.7 kg) bag covers approximately 80 sq ft (7.5 sq m) at  $\frac{1}{12}$  inch (2 mm) thickness.

## PRODUCT FEATURES

- High Flexural and Bond Strength
- Water Vapour Permeable
- Excellent Freeze/Thaw Stability
- Low Water Absorption
- Highly Workable
- Low Shrinkage

## MIXING INSTRUCTIONS

Gradually add one bag of *B2000* to 4.5 litres (1 imp. gal) of clean, potable water being continually mixed until a workable consistency is obtained. Let the mixture stand for five minutes, then remix and use. Pot life is one hour. Up to 225 ml (8 oz) of water may be added to enhance workability if mixture begins to stiffen before the hour expires. Mixture may be remixed one time only, afterward, discard any material that has begun to stiffen.

## PRECAUTIONS

Store *B2000* off the ground in a dry place away from direct sunlight.

Make sure the substrate is free of dirt, oil, frost, moisture, loose material, paint, or any other foreign matter. Make sure the surface and ambient temperatures are 5°C (41°F) or greater when applying *B2000* and remain so for a minimum of 24 hours. Allow *B2000* a minimum of 24 hours to dry before applying additional coats. Protect *B2000* from winds exceeding 25 km/hr (15 mph), from rain, hail, snow, and all other possible damage until it has fully set and dried and until all capping, flashing, and caulking have been completed.

## TECHNICAL DATA

Shear Bond Strength exceeds 2.4 ng/m<sup>2</sup> (cohesive failure of concrete)  
Cohesive Strength: 15.8 MPa (2316 psi) after 3 days  
22.6 MPa (3219 psi) after 7 days  
25.5 MPa (3697 psi) after 14 days