

Expo ProBond™

Dry Adhesive Primer



DESCRIPTION

USE:

Expo ProBond Adhesive is designed primarily for use in such applications as priming, adhering and finish coating foam shapes used in architectural exterior decorative trim (i.e., pop-outs, plant-ons, cornices, reveals, etc.).

COVERAGE:

One 50-pound sack of Expo ProBond will cover 60-75 square feet or more. This includes both priming and adhesive layers. Finish coat coverage will vary due to type of finish.

COMPOSITION:

Expo ProBond is a proprietary formulation containing portland cement modified with redispersible powder copolymers and inert aggregate, packed in sealed, water-resistant, multi-wall bags.

ADVANTAGES:

Expo ProBond is about 40% lower in cost than competing wet mixes. ProBond is a dry mix requiring only the addition of water on the job site. Adding only water is a significant advantage over measuring and blending in cement as in the case of a wet mix. ProBond blends easily with little or no lumping. ProBond has excellent workability and applicability, very good adhesion to expanded polystyrene, and an exceptionally long pot life.

SHELF LIFE:

Six months if kept in dry condition.

JOB PROCEDURE

MIXING:

1. Place material in mechanical mixing device and start mixer at lowest speed. Add about two-thirds of recommended water. Mix for about 1-2 minutes, until thoroughly wet.
2. With mixer on, add remaining water until the consistency is acceptable. Mix for three minutes.
3. Stop the mixer and wait five minutes-then mix again for about one minute to break the initial set.
4. The mixed ProBond should be sticky and have sufficient body to take up any minor irregularities in the surface of the substrate and provide physical support for EPS shapes.

APPLICATION

EPS TO BASE COAT:

1. ProBond should be mixed to a heavy-bodied, paste-like consistency.
2. Cover both the surfaces of the shape and the base coat completely where shape will join base coat.
3. Press shape into position on the base coat. Generally, the adhesion of the thick ProBond will be sufficient to hold the shape in place. On larger shapes it may be necessary to place the shape over nails previously imbedded head first in the wet base coat in order to eliminate slippage until adhesive has set.
4. Mix additional ProBond to a more flowable consistency (suitable for brush application) and apply to shape at all joints with the base coat and contiguous shapes. It is recommended that 2-inch fiberglass mesh be used over joints.
5. ProBond must be applied to all butt joints. For best results, tape all joints.

EPS TO EPS:

1. Foam-to-foam applications are generally made in "One-Coat" applications; such as the Expo fiber reinforced FIBREWALL Stucco System.
2. Follow the same procedures outlined above except that installation on the EPS shape may be done before the application of the one-coat base coat.

EXTERIOR COLOR COAT:

To insure proper adhesion of Color Coat, shapes should be pre-coated with Expo Perma Crete EVA Plaster Adhesive.

CURING:

Wait a minimum of 24 hours before further work on the surface of bonded components in order to avoid any movement that would weaken the bond between the components. In hot, dry weather, ProBond should be moist-cured after 24 hours.

MATERIAL STANDARDS:

Expo ProBond Adhesive is a formulation based upon 100% copolymers and portland cement produced by Expo Stucco. Division of Expo Industries, Inc. The bond strength to various substrates shall meet or exceed the following values when tested, according to A.S.T.M. D897: Concrete Block: 206 p.s.i.; Gypsum Sheathing: 28 p.s.i.

Portland cement: Type 1 A.S.T.M. Designation C150-56, Federal Specification SS-C-192B.