



## POLYBASE-DRY

### Basecoat and Adhesive for Type I EPS Foam Board/ Details

#### DESCRIPTION

POLYBASE-DRY is a polymer-modified portland cement based product. It is designed for use as a base coat and adhesive for Type I expanded polystyrene (EPS) board and foam shapes. In addition POLYBASE-DRY can be used as a base coat for polyisocyanurate and mineral wool.

POLYBASE-DRY is intended as a base coat for acrylic stucco finish coats. It can also be used as a skim coat over masonry or concrete surfaces in preparation for acrylic stucco finish coat. POLYBASE-DRY is an ideal product for precise detailing or surface leveling.

#### ADVANTAGES

- Ready to use, just add water.
- Outstanding strength and hardness.
- Excellent workability – trowels on easily.
- Less waste, mix only the amount required.
- Superior adhesion to all approved substrates.
- Increases productivity – through ease of spread.

#### PACKAGING

50lb (22.7kg) moisture protective bag, 42 bags per pallet.

#### COVERAGE

##### *Base coat over mesh*

110–130ft<sup>2</sup> (10.2–12.1m<sup>2</sup>)\*

##### *Adhesive*

50–60ft<sup>2</sup> (4.6–5.6m<sup>2</sup>) using a 5/8" x 5/8" x 1" (15.8mm x 15.8mm x 25.4mm) U-notched trowel.

\*Coverage given is approximate and vary depending on substrate, details and individual application technique.

#### PREPARATION

Prior to application inspect the substrate to ensure that it has been constructed according to local building code standards. Substrates must be structurally sound and free from any loose materials, oil, mildew, or any form of deleterious material that could interfere with bond strength.

#### MIXING

Use approximately 1–1.5gal (4–6L) of clean, potable water to each 50lb (22.7kg) bag. Mix using an electric drill, and a clean rust free paddle designed for this purpose. Add approximately ¾ of the required water and blend until a smooth consistency is achieved, continue to add the remainder of the water and mix until no lumps remain. Allow the mixed material to sit for 5 to 10 minutes to reach a "false set," then remix with the addition of more water to application consistency. This will extend working time and increase productivity during application.

#### APPLICATION

##### ADHESIVE

To attach flat Type I EPS foam board / details to portland cement plaster, use a 5/8" x 5/8" x 1" (15.8mm x 15.8mm x 25.4mm) U-notched trowel to apply POLYBASE-DRY to the back of the EPS. Grooved foam application will require at least a ribbon of 5/8" x 5/8" x 1" U-notched trowel on each leg.

When used in conjunction with a non-cementitious liquid applied membrane, such as Protec-C and Protec-J, apply POLYBASE-DRY with a 5/8" x 5/8" x 1" U-notched trowel.

Orient the ribbons of adhesive vertically on the substrate, allowing for drainage of incidental liquid moisture to escape the cavity. Apply the foam to the substrate with sufficient pressure to flatten the ribbons of material, being careful not to damage the foam shape. Clean off any excess material around the perimeter of the shape before continuing.

If the substrate receiving the foam is cement, it is a good practice to pre-moisten the substrate with water.

Generally, the adhesion of POLYBASE-DRY will be sufficient to hold the shape in place. On larger shapes, it may be necessary to provide temporary mechanical support.

Provide back wrapping and sealants in accordance with AWCA, BCWCA, AWCB and EIMA guidelines, and allow 24 hours for the POLYBASE-DRY adhesive to set before proceeding with POLYBASE-DRY basecoat and fiber mesh application.

##### BASE COAT

A uniform coating of approximately 2mm machine or hand applied to the foam shapes. Immediately embed reinforcing mesh to the wet coating, ensuring that no mesh is visible. Embed mesh in POLYBASE-DRY by troweling from center of mesh panel outward to avoid wrinkles. Tip – using a rounded pool trowel will help reduce trowel marks.

If the desired thickness is not achieved in one coat, a second or skim coat, can be applied after initial set of the first coat. It is important to keep the skim coat as thin as possible. Product must be applied in accordance with specifications (conforming to ICC-ES Evaluation Report #5290).

##### CURING

Allow a minimum of 24 hours for base coat to cure before applying finish coat. In cool/moist conditions, longer times may be necessary to achieve proper cure prior to application



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of finish coat. Application of finish coat to base coat that is not fully cured may result in colour variation in the finish coat.

#### **WORKING TIME**

Up to 1 hour depending on ambient conditions.

#### **STORAGE**

Keep in a dry, cool area protected from the weather. Protect from freezing.

#### **SHELF LIFE**

Shelf life is approximately 6 months.

#### **CAUTIONS AND LIMITATIONS**

In hot / dry weather, POLYBASE-DRY should be moist-cured after 24 hours. Do not apply in freezing weather or to frozen substrates. Do not apply POLYBASE-DRY NC when the temperature is expected to fall below 4°C (39°F) within a 24-hour period. When using POLYBASE-DRY NC to patch, or level GreatWall or other substrates, coat the entire wall to ensure even suction.

#### **SAFETY PRECAUTIONS**

POLYBASE-DRY contains portland cement. Avoid contact with eyes or prolonged contact with skin. In case of eye contact, flush with large amounts water for at least 15 minutes. Get prompt medical attention. In case of skin

contact, wash thoroughly with water. Wear eye protection and non-toxic particle mask. Do not take internally. KEEP OUT OF REACH OF CHILDREN. Please refer to M.S.D.S. for additional information.

#### **WARRANTY**

POLYBASE-DRY is manufactured to strict quality standards using the highest quality ingredients. DARMEX fully guarantees its products and will refund or replace any product found to be defective. Liability is limited to replacement or refund only and no other warranty is expressed or implied. For individual products, DARMEX offers a 5 year material defect warranty. Please see written warranties for further details.

DARMEX is unable to accept responsibility for job conditions, workmanship, climate, damages due to transport, improper design, engineering or construction, or non performance of adjacent materials. DARMEX products are intended for use by qualified professionals and are to be applied in accordance with all manufacturers' specifications. DARMEX disclaims all, and assumes no, liability for on-site visits by any DARMEX representative. DARMEX also disclaims all warranties, expressed or implied, except written warranties issued by in accordance with DARMEX's Warranty Programs.

**If further information is required, please contact your DARMEX dealer.**