Product Data

Stucco Base Coat

Portland Cement Base Coat for Stucco

Description

A high-performance, polymer-modified Portland cement base coat for stucco finishes and EIFS systems as well as an adhesive for bonding expanded polystyrene insulation (EPS) board. It is also ideal for embedding fiberglass reinforced mesh fabric.

General Guidelines

- Use in accordance with ASTM C926 Standard Specification for Application of Portland Cement Based Plaster.
- Reference ASTM C1063-22. Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster for Installation practices.
- Follow all local building codes.
- Utilize appropriate Safety equipment, such as respirator and nitrile gloves when handling product.
- Not for use if temperature is falling or will fall below 40F within 24 hours of application.
- Protect from Rain for 24 hours after placement.
- Do not exceed water limits when mixing.

Suitable Substrates

- ✔ Exterior grade gypsum sheathing (ASTM G79)
- ✔ Expanded polystyrene insulation (EPS) board
- ✔ Fiber-mesh reinforced concrete backer board
- ✔ Fiber Rock Durock PermaBase®
- ✔ Clean and unpainted masonry, concrete, and brick
- ✔ Metal wire lathe
- ✔ Embedding fiberglass reinforced mesh fabric

Physical Properties

Packaging	50 lb (22.7 kg) bag
Set Time	25 hours
Coverage (50 lb Bag)	1/8": 50 sq. ft.
Thickness	Typically 1/8" - 1/4"
Mix Ratio	6 qt to 50 lb bag
Application Conditions	Interior above 40°F
Color	White/Gray As Indicated

All specifications were tested in laboratory conditions: 70°F in a controlled environment using our approved water content. Changing the temperature, or mixing ratios, or the environment can effect these specifications. Call Technical Services if you have any questions.

Surface Preparation & Application

Remove all loose concrete, grease, oil, paint, dust, from release agents or any other material that will inhibit proper bond. If there is concern that a good bond can be achieved, mechanical fasteners should be used to attach the insulation board. Recess heads of fasteners 1/8" (3.2mm) and cover with Base Coat prior to application. Scratch both sides of insulation board with rasp, wire brush or saw blade, making sure the shiny skin on the board is broken. The foundation wall must be damp when the board is placed.

Mixing

Each 50 lb. (22.7 KG) bag of Base Coat should be mixed with 1 1/2 gallons (5.7 Liters) of clean cool water. Add the powder to the water while mixing. The use of a high torque, low speed drill (400-600 RPM) with a paddle attachment or a mortar type mixer with rotating, rubber edged blades is recommended. Mix to a smooth, trowelable consistency and allow the mix to stand for 5 minutes. Remix material, adding small amounts of water or Base Coat to achieve the desired working consistency. Do not use any additives. Do not mix more material than can be applied in one hour.

Adhering EPS Insulation Board

To attach the insulation board to the wall, apply material to the back of the board at least 1/4" (6.4 mm) thick and 2" (51 mm) in diameter, making sure that the material covers a minimum of 50% of the board. An alternate method is to cover the entire back of the insulation board with Base Coat using a 3/8" (9.5 mm) notched trowel. Place insulation board on wall and push firmly. Using a block of wood, apply equal and even pressure to allow maximum bond to be achieved. After adhering insulation board to the wall, wait 24 hours before coating the face of the insulation board.

Base Coat Application and Embedding Fiberglass Reinforced Mesh Fabric:

Cut the mesh fabric into pieces that are manageable. For lightweight to medium weight fabrics, allow for a 2" (51 mm) overlap. Heavy mesh fabrics do not need to be overlapped; however care must be taken to butt the edges firmly together. Using a flat stainless steel trowel, apply Base Coat to entire face of insulation board to a uniform thickness of 3/32" (2.4 mm). Immediately place the reinforcing mesh against the wet Base Coat mixture. Trowel from the center to the edges with the curve of the mesh against the wall, avoiding wrinkles. Apply until the mesh is fully covered and not visible. The overall minimum Base Coat thickness must be sufficient to fully embed the reinforcing mesh.

Curing

Base Coat is self-curing. Do not mist with water or damp cure. Under average drying conditions (70°F (21°C) and 55% R.H.) Base Coat will dry in 24 hours.

Coverage

Each 50 LB. (22.7 KG) bag will cover approximately 50 square feet (4.6 Square Meters) of surface at 1/8" (3.2mm) thickness or embed 100 square feet of mesh fabric.

Storage

Store bags in a cool, dry location. Store away from direct contact with the ground and/or concrete. Store out of direct sunlight. Protect bags from weather and other damages. Shelf life is one year from date of manufacture.

Limitations

Do not apply to frozen surfaces. Do not apply if temperature is below 40° F (4.4° C) or will fall below 40°F (4.4°G) within 24 hours after application. Protect from rain for at least 24 hours. Do not apply over 1/4" (6.4 mm) thick when used as a base coat.

Limited Warranty

Keene Building Products warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Keene Building Products. will correct any such failure by either replacing or repairing any defective goods, at Keene Building Products' option. The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.

24 HOUR EMERGENCY: CHEMTREC® 1-800-424-9300

NON-TOXIC & NON-FLAMMABLE

Keep container closed and keep away from children. May cause slight eye abrasion or irritation if spilled or rubbed in eyes. Flush thoroughly with water.

If taken internally, call a physician.

Published technical data & instructions are subject to change without notice. Please contact Keene Building Products for the most current technical data, safety data & application instructions.

Technical Assistance

Visit our website: keenebuilding.com or call (877) 514-5336

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