

COMMERCIAL CEMENT PLASTER 5™

DS816

A Rainscreen, Fiberglass Reinforced Portland Cement Plaster With Backstop® NT™ Air/Water-Resistive Barrier and Fiberglass Mesh Reinforced Leveling Coat

Description

Commercial Cement Plaster 5 consists of Backstop NT air/water-resistive barrier, approved paper backed lath, Commercial Cement Plaster (CCP) Base*, fiberglass reinforcing mesh and leveling coat, acrylic primer and an acrylic coating or finish.

Uses

Commercial Cement Plaster 5 is a durable, exterior cladding intended for use over wood or steel framing and a Dryvit approved sheathing, incorporated into a cavity rainscreen design.

Testing

Complies with ASTM C 1328 and IBC requirements for Portland cement plaster.

Application Procedure

Job Conditions – Air and surface temperature for application of CCP Base must be 40 °F (4 °C) or higher and must remain so for a minimum of 24 hours.

Temporary Protection – Must be provided at all times to protect the Backstop NT, CCP Base, leveling coat, primer and finish applications from damaging effects of precipitation, dirt and job-site contamination.

Components:

Air/Water-Resistive Barrier

Dryvit Backstop NT: A liquid applied air/water-resistive barrier meeting ICC and ABAA requirements.

Cavity Furring (by others):

Shall be installed vertically to provide a minimum 1/2 in (12.7 mm) clear space and be:

1. Preservative treated wood strapping spaced maximum 16 in (406 mm) on-center.
2. Galvanized metal spaced maximum 16 in (406 mm) on-center.

Sheathing Backer (by others): Shall provide adequate support for the application of the lath and CCP Base.

1. Shall be one of the approved substrates as noted in DS823 or:
2. Breather Board: A 3-ply semi-rigid asphaltic board made up of a button-punched fiberglass sheet coated with high-melt asphalt, then faced on each side with asphalt - Kraft building paper.

Lath (by others)

Approved paper backed, or other self-furring metal lath shall be galvanized, minimum 2.5 lbs/sq yd (1.4 kg/m²) or 3.4 lbs/yd² (1.9 kg/m²) and comply with ASTM C 841 and C 847; 16 gauge galvanized self-furring welded wire lath (ASTM C 933), minimum 1 1/2 x 17 galvanized woven wire lath (ASTM C 1032); or 3/8 in (9.5 mm) galvanized rib lath. Minimum 2.5 lbs/sq yd (1.4 kg/m²) lath is required for thicknesses of 3/4 in (19 mm) or greater. The specific type is designated by the designer based on project requirements. Lath installation shall conform to ASTM C 1063 and local code requirements.

NOTE: If paper-backed lath is not used, approved slip sheet is required over the Backstop NT.

Cement Plaster Base

Shall be CCP Base in either sanded or concentrate formula. Refer to [DS817](#) (sanded) or [DS818](#) (concentrate) for complete mixing and application instructions.

Leveling Coat

Shall be Genesis®, [DS417](#) a 100% acrylic-based liquid which is field mixed with Portland

cement, or Genesis® DM, [DS452](#) a dry blend, cementitious product which is field mixed with water.

Fiberglass Reinforcing Mesh

Shall be Dryvit Standard, Standard Plus or Intermediate Mesh. A balanced open weave, glass fiber fabric treated for compatibility with CCP 5 components.

Acrylic Primer

Shall be Color Prime™, [DS410](#), Color Prime-W™, [DS474](#) or Primer with Sand™, [DS477](#). Refer to specific product data sheets for complete application instructions.

Acrylic Coating

Demandit® Smooth – integrally colored, smooth exterior wall coating enhanced with proven mildew resistance. See [DS400](#) for complete information.

Weatherlastic® Smooth

– integrally colored, elastomeric, smooth exterior wall coating enhanced with proven mildew resistance. See [DS433](#) for complete information.

Finishes

For complete information, please refer to the product data sheets.

Acrylic Finish

- **DPR** – flexible textured exterior wall finish with integral color. Available in 5 primary textures: Quarzputz®, Sandblast®, Sandpebble®, Sandpebble Fine™ and Freestyle®, [DS416](#).
- **PMR™** – flexible textured exterior wall finish with integral color and enhanced with additional mildew protection, [DS490](#).
- **HDP™** – flexible textured exterior wall finish with integral color and optimized for hydrophobic performance, [DS811](#).

- **E™ Finish** – lightweight, highly flexible textured exterior wall finish with integral color. Available in 3 textures: Quarzputz **E**, Sandpebble **E**, and Sandpebble Fine **E**, [DS468](#).

Weatherlastic – elastomeric textured exterior wall finish with integral color. Available in 5 textures: Adobe, Quarzputz, Sandpebble, Sandpebble Fine and Mojave, [DS418](#).

Specialty Finishes

- **Ameristone™** Multi-colored quartz aggregate with a flamed granite appearance, [DS434](#).
- **Stone Mist®** Ceramically colored quartz aggregate, [DS420](#).
- **Custom Brick™** Acrylic polymer-based finish used in conjunction with a proprietary template system to create the look of brick, [DS227](#).
- **TerraNeo®** Acrylic-based finish with large mica chips and multi-colored quartz aggregates, [DS481](#).
- **Lymestone™** A premixed, 100% acrylic-based finish designed to replicate the appearance of limestone blocks, [DS472](#).
- **Finesse™** A Smooth 100% acrylic-based dirt pickup resistance finish, [DS859](#).

Application – Commercial Cement Plaster 5 must be applied in accordance with local and national code requirements and ASTM C 926. Refer to Commercial Cement Plaster 5 Specifications, [DS823](#) and Commercial Cement Plaster 5 Details, [DS828](#).

Technical and Field Services
Available on request.

*Other approved scratch and brown coats may be acceptable. Consult Dryvit Systems, Inc. for specifics.

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