

BACKSTOP[®] NT - Smooth

DUK455

A High Performance, Noncementitious Water-Resistive Membrane and Air Barrier

Description

Backstop NT - Smooth is a flexible, polymer-based, noncementitious, water-resistive membrane, which prevents water penetration and eliminates air infiltration.

Uses

Backstop NT - Smooth is intended to be used in conjunction with Dryvit EIFS systems, and when used with Backstop NT - Texture, grid tape and flashing tape, provides an effective water-resistive protective membrane for DensGlass Gold[®] or other approved substrates. (See Approved Substrates.)

Benefits

Backstop NT - Smooth is used straight out of the pail and is applied by nap roller. The coating dries quickly and serves as an excellent substrate for adhesively attaching EPS.

Coverage

The use of Backstop NT - Smooth requires that the sheathing joints be treated with Dryvit's Grid Tape and Backstop NT - Texture prior to applying Backstop NT - Smooth. Coverage may vary slightly, depending on application method and substrate. Please refer to chart included in this document.

Properties

Working Time - Backstop NT - Smooth is a noncementitious material, providing infinite working time. The product will not set-up in the bucket.

Drying Time – The drying time of Backstop NT - Smooth is dependent upon the air temperature, wind conditions and relative humidity. Under average drying conditions [21 °C (70 °F), 55% R.H.], Backstop NT - Smooth will be dry to the touch within 2 hours and cured in 6 hours.

Performance Requirements:

Backstop NT - Smooth shall meet the following performance criteria:

Water Vapor Transmission:

(ASTM E 96) - Vapor permeable

Flexibility: (ASTM D 522) Passes 3 mm (1/8 in) mandrel.

Tensile Bond: (ASTM C 297) - Substrate failure.

Tensile Strength: (ASTM D 2370) 100+ psi.

Elongation: (ASTM D 2370) - 20%+.

Wind Driven Rain:

(FS TT-C-555B) - No moisture penetration.

Moisture Resistance:

(ASTM D 2247) - No deleterious effects.

Application Procedure

FOR COMPLETE INSTALLATION INSTRUCTIONS, REFER TO BACKSTOP NT - SMOOTH APPLICATION INSTRUCTIONS, DUK181.

Job Conditions – Air and surface temperature for application of Backstop NT - Smooth must be 4 °C (40 °F) or higher and must remain so for a minimum of 12 hours.

Temporary Protection – Shall be provided at all times until membrane, adhesive, base coat, finish and permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

Approved Substrates:

- Core treated exterior grade gypsum sheathing
- DensGlass Gold[®]
- Exterior cement and calcium silicate sheathing

- APA exterior grade CD-X Plywood

Surface Preparation – The sheathing board gaps shall not exceed 6.4 mm (1/4 in) and the surface must be flat within 6.4 mm (1/4 in) in any 1.2 m (4 ft) radius. The sheathing shall be dry and free of foreign materials such as dirt, dust, oil, paint, wax, water repellants or other materials that inhibit adhesion.

Mixing – Backstop NT - Smooth is ready for use after an initial spin-up using drill with paddle mixer. DO NOT ADD CEMENT.

Membrane Application

Backstop NT - Smooth may be applied using a nap roller. Follow Dryvit Installation Instructions, DUK181 for specific requirements. Roller application produces a smooth texture.

Please refer to the chart below for clarification on when to use Backstop NT – Smooth.

Clean Up – Clean tools with water while Backstop NT - Smooth mixture is still wet.

Limitations - Apply Backstop NT - Smooth to approved substrates only. Application over masonry, concrete, oriented strand board (OSB) sheathing and pressure treated or fire retardant treated wood is not recommended.

Storage

Backstop NT - Smooth must be stored at 4 °C (40 °F) or above in tightly sealed containers out of direct sunlight.

Backstop NT – Texture and Backstop NT – Smooth Usage/Application Chart				
Substrate	Location	Product	Tool	Approximate Coverage Per Pail ^e
Exterior Grade Gypsum Sheathing	Joints ^a	Backstop NT - Texture	Trowel	91 m (300 lin. ft.)
	Face ^f	Backstop NT – Texture OR	Trowel or FoamPRO #58 Roller ^b	For both tools 23-28 m ² (250-300 ft ²)
		Backstop NT - Smooth	13 mm (1/2 in) Nap Roller	46 m ² (500 ft ²) ^c
DensGlass Gold®	Joints ^a	Backstop NT - Texture	Trowel	91 m (300 lin. ft.)
	Face ^f	Backstop NT – Texture OR	Trowel	23-28 m ² (250-300 ft ²) [includes joints]
		Backstop NT - Smooth	19 mm (¾ in) Nap Roller	37 m ² (400 ft ²) ^c
Exterior Grade Plywood and Exterior Cement Board	Joints ^a	Backstop NT - Texture	Trowel	91 m (300 lin. ft.)
	Face ^f	Backstop NT – Texture OR	Trowel or FoamPRO #58 Roller ^b	For both tools 23-28 m ² (250-300 ft ²)
		Backstop NT - Smooth	13 mm (1/2 in) Nap Roller	37 m ² (400 ft ²) ^c
Concrete and Masonry ^d	Face	Backstop NT - Texture	FoamPRO #58 Roller ^b	11-14 m ² (125-150 ft ²) 2 coats

^a Tape the joints with Dryvit Grid Tape prior to application of Backstop NT – Texture at joints and screw heads.

^b Up to 1 pint (16 oz) of water may be added to a 60 lb pail of Backstop NT – Texture for roller or spray applications only. The FoamPRO #58 roller cover (FoamPRO Mfg., Inc., www.foampromfg.com) is available at home supply stores.

^c Because of application methodology and absorptive surface differences, two coats may be required to obtain this coverage.

^d Apply a 6 ft x 6 ft test area with coverage as indicated in the chart, before proceeding with the entire job. If there are voids in the dried BSNT – Texture, particularly at the mortar joints, the job should be parged with Genesis, 24 hours prior to BSNT – Texture roller application.

^e Backstop NT – Texture and Smooth should be applied at the recommended coverage rates to form a continuous film free of voids at a dry film thickness of approximately 3 mils.

^f Backstop NT – Texture (with up to 1 pint water addition per 60 lb. pail) or Smooth may be sprayed and backtrowelled/backrolled.

Technical and Field Service
Available on request.

Warranty

Backstop NT - Smooth is covered by and subject to the

terms and conditions of Dryvit limited materials warranty applicable to the Dryvit system used. Dryvit makes no other warranties expressed or implied. Contact Dryvit UK Ltd. at 01462 819555 for full details.

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