

# BACKSTOP™ NT - Texture

A high performance, non-cementitious water-resistant membrane and air barrier

DSC453



## DESCRIPTION

Backstop NT - Texture is a flexible, polymer-based, non-cementitious, water-resistant barrier, that when properly installed prevents water penetration and eliminates air infiltration.

## USES

This data sheet provides information on Backstop NT - Texture when being used in conjunction with Dryvit EIF systems. When considering Backstop NT for use behind alternate claddings please refer to DSC806.

Backstop NT used with AquaFlash and AquaFlash Mesh, provides an effective water-resistant protective membrane for exterior rated sheathings and other approved substrates. (See Approved Substrates.)

## BENEFITS

Backstop NT - Texture is used straight out of the pail and can be applied by roller, trowel, or spray and backrolled. The coating dries quickly and serves as an excellent substrate for adhesively attaching EPS.

## COVERAGE

Coverage may vary slightly, depending on application method and substrate. **Minimum 2 coats required over CMU and concrete. Please refer to chart included in this document.**

## PROPERTIES

### Working Time:

Backstop NT - Texture is a non-cementitious material, providing infinite working time. The product will not set-up in the bucket.

### Drying Time:

The drying time of Backstop NT - Texture is dependent upon the air temperature, wind conditions and relative humidity. Under average drying conditions [21 °C (70 °F),

55% R.H.], Backstop NT - Texture will be dry to the touch within 2 hours and cured in 6 hours.

## PERFORMANCE REQUIREMENTS

Backstop NT - Texture shall meet the following performance criteria:

### Water Vapour Transmission:

(ASTM E 96) - Vapour permeable. 7 Perms.

### Flexibility:

(ASTM D 522) No cracking at 2 mm diameter.

### Tensile Bond:

(ASTM C 297) – Substrates: Minimum 131 kPa (19 psi). Flashing: Minimum 2970 kPa (431 psi).

### Tensile Strength:

(ASTM D 2370) 160 psi.

### Elongation:

(ASTM D 2370) – 16.8%.

### Wind Driven Rain:

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

### Air Permeance:

(ASTM E 283) - 0.0006 l/s/m<sup>2</sup> @ 75Pa (1.2x10<sup>-4</sup> cfm/ft<sup>2</sup> @ 1.6 psf)

### Air Barrier Assembly:

(ASTM E 2357) - 0.05 l/sec m<sup>2</sup> @300 Pa (1.2x10<sup>-4</sup> cfm/ft<sup>2</sup> @ 1.6 psf) (<0.001 cfm/ft<sup>2</sup> @ 6.24 psf)

### Moisture Resistance:

(ASTM D 2247) - No deleterious effects.

### Flame Spread/Smoke

**Development:** (ASTM E 84) - Flame Spread 5, Smoke Development 20.

**For a complete list of performance requirements and results, refer to Backstop NT Specifications DSC176.**

## APPLICATION PROCEDURE

FOR COMPLETE INSTALLATION INSTRUCTIONS, REFER TO BACKSTOP NT - TEXTURE APPLICATION INSTRUCTIONS, DSC177.

## JOB CONDITIONS

Air and surface temperature for application of Backstop NT - Texture 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

- DensGlass Gold®
- Exterior cement and calcium silicate sheathing
- APA exterior grade CD-X Plywood
- Exposure 1 rated PS2 Durability OSB
- Unpainted CMU or concrete

## 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. CMU mortar joints shall be struck flush. Concrete and CMU shall be clean, unpainted and free of efflorescence. Tooled mortar joints and heavily textured CMU, **not split faced**, shall be "skim coated" with Genesis™ or Genesis™ DM prior to application of Backstop NT - Texture. All substrates 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 - Texture is ready for use after an initial spin-up using drill with paddle mixer. **DO NOT ADD CEMENT.**

**MEMBRANE APPLICATION**

Depending on the substrate, Backstop NT - Texture may be applied using a roller, spray equipment and backrolled, or a trowel. Follow Dryvit Installation Instructions, DSC177 for specific requirements. Roller application produces a stipple texture;

therefore, it is necessary to use a trowel to strike smooth areas to receive flashing tape (i.e., window openings) before the material dries. Please refer to the following table for clarification on when to use Backstop NT – Texture.

**CLEAN UP**

Clean tools with water while Backstop NT - Texture mixture is still wet.

**LIMITATIONS**

Apply Backstop NT - Texture to

approved substrates only. Application over wood sheathings with preservative treatments is not recommended.

**STORAGE**

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

**TECHNICAL AND FIELD SERVICE**

Available on request.

BACKSTOP NT – TEXTURE – USAGE/APPLICATION CHART				
Substrate	Location	Product	Tool	Approximate Coverage Per Pail <sup>e</sup>
DensGlass Gold® OSB	Joints <sup>a</sup>	Backstop NT - Texture	Trowel	91 m (300 lin. ft.)
	Face <sup>f</sup>	Backstop NT – Texture	Trowel	23-28 m <sup>2</sup> (250-300 ft <sup>2</sup> ) [includes joints]
			19 mm (¾ in) Nap Roller	37 m <sup>2</sup> (400 ft <sup>2</sup> ) <sup>c</sup>
Exterior Grade Plywood and Exterior Cement Board	Joints <sup>a</sup>	Backstop NT - Texture	Trowel	91 m (300 lin. ft.)
	Face <sup>f</sup>	Backstop NT – Texture	Trowel or FoamPRO #58 Roller <sup>b</sup>	For both tools 23-28 m <sup>2</sup> (250-300 ft <sup>2</sup> )
			13 mm (1/2 in) Nap Roller	37 m <sup>2</sup> (400 ft <sup>2</sup> ) <sup>c</sup>
Concrete and Masonry <sup>d, g</sup>	Face	Backstop NT - Texture	Trowel <sup>g</sup>	16.7 m <sup>2</sup> (180 ft <sup>2</sup> ) <sup>h</sup>
			FoamPRO #58 Roller <sup>b</sup>	11-14 m <sup>2</sup> (125-150 ft <sup>2</sup> ) 2 coats

<sup>a</sup> Tape the joints with Dryvit Grid Tape or AquaFlash Mesh prior to application of Backstop NT – Texture at joints and screw heads. Wood sheathing joints shall be reinforced with 4" AquaFlash Mesh – previously known as scrim tape.

<sup>b</sup> 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.

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

<sup>d</sup> 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.

<sup>e</sup> Backstop NT – Texture should be applied at the recommended coverage rates to form a continuous film free of voids at a dry film thickness of approximately 4 mils.

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

<sup>g</sup> Due to variations in types of masonry a 6 ft x 6 ft test area shall be prepared to ensure that a continuous film can be achieved. Backstop NT - Texture shall not be used as a skim coat for parging joints or heavy textured units.

<sup>h</sup> Coverage may vary depending on the porosity of the masonry substrate. Coverage based on smooth dense block surface.