

Backstop[®] NT - Texture



DUK177

A High Performance, Water-Resistive
Membrane and Air Barrier

Backstop NT - Texture Application Instructions

CHECKLIST PRIOR TO THE INSTALLATION OF BACKSTOP NT - TEXTURE

Project Conditions

- Air and surface temperatures for application of Backstop NT – Texture must be 4 °C (40 °F) or above and must remain so for a minimum of 12 hours thereafter.
- Ensure that all roof-to-wall flashings, wall to deck flashings, run-off diverters (i.e. kick-outs), or other penetration flashings, are installed where required as needed to direct water to the exterior of the building envelope. Particular attention must be paid to the eaves/chimney intersections, sloped roof/wall intersections, decks and windows.
- Protect surrounding areas and surfaces during installation of the Backstop NT - Texture.
- Backstop NT - Texture should not be left exposed to weather and UV more than 30 days, prior to being covered with one of Dryvit's Exterior Insulation and Finish Systems.

MATERIALS REQUIRED FOR INSTALLING DRYVIT'S BACKSTOP NT - TEXTURE

Materials Supplied by Dryvit UK Ltd.

Dryvit Backstop NT - Texture

Dryvit Flashing Tape™

Dryvit Grid Tape™

Dryvit Flashing Tape Surface Conditioner

TOOLS REQUIRED FOR THE INSTALLATION OF DRYVIT'S BACKSTOP NT - TEXTURE

- Stainless steel spatula or trowel
- Appropriate spray equipment (if needed)
- Coarse, open celled, 9 in. foam paint roller cover with 3/8 in. foam nap.
Available from: Dryvit UK Ltd.

I. Mixing

- A. Open the bucket with a utility knife or lid-off.
- B. Due to shipping and storage, there may be some settling of materials. Prior to using, mix the material to a smooth homogeneous consistency using a Wind-lock B-M1 or B-M8, or equivalent, mixing blade powered by a 13 mm (1/2 in) drill, at 400-500 rpm. **CAUTION: Do not over-mix or use other types of mixing blades as air entrapment and product damage may occur and result in workability and performance problems.**
- C. Do not dilute the product or add any foreign materials to the Backstop NT - Texture product.

II. Substrate Check

- A. Ensure that the substrate is of a type approved in the Backstop NT - Texture Specification DUK176.
CAUTION: Application over oriented strand board (OSB) sheathing and preservative or fire retardant treated wood is not recommended.
- B. Ensure that ambient and surface temperatures are minimum 4 °C (40 °F) and rising.
- C. Ensure that the substrate is dry. Plywood moisture content shall not exceed 19% as measured by a probe type moisture meter.
- D. The substrate is flat within 6 mm (1/4 in) in a 1.2 m (4 ft) radius. CMU mortar joints shall be struck flush, tooled mortar joints and heavily textured CMU (**not split faced**) shall be “skim coated” with Genesis or Genesis DM.
- E. Ensure that sheathing gaps do not exceed 6 mm (1/4 in). Larger gaps must be corrected by replacing the sheathing material.
- F. Notify the general contractor and/or architect and/or owner of all discrepancies. Do not proceed with work until discrepancies have been corrected.

III. Surface Preparation

- A. The substrate shall be prepared so as to be free of foreign materials such as oil, dust, dirt, paint, wax, water repellents, moisture, frost, efflorescence and any other materials that may inhibit adhesion.

IV. Backstop NT - Texture Application

- A. General: Backstop NT - Texture can be applied using a roller, trowel, or spray equipment over the approved substrates, as noted in the usage chart. Backstop NT - Texture should be applied at the recommended coverage rate to achieve a minimum film thickness of approximately 3 mils.
- B. Roller Application
 1. Apply a strip of Grid Tape™ over all sheathing joints and inside and outside corners. Mix the Backstop NT - Texture material as described above and, using a stainless steel trowel or spatula, apply a layer of Backstop NT - Texture over the Grid Tape and spot all fastener heads (Fig. 1). **NOTE: Dryvit Grid Tape is not necessary over fastener heads.**
 2. Allow to dry for a minimum of 1 hour or until dry to the touch. **NOTE: Cool, humid conditions may require longer drying times.**
 - a. Because of the absorption characteristics, plywood substrates may require a second pass to fill any voids in the sheathing joints. After the first pass has dried, check the joints and spot any voids that may be present with additional Backstop NT – Texture material and allow to dry.
 3. Using a coarse, open-cell foam roller cover with a 10 mm (3/8 in) foam nap (Foampro® roller #58), apply a uniform, continuous film of Backstop NT - Texture over the entire sheathing or CMU or concrete face, including the previously treated areas (Fig. 2). **NOTE: If the roller pulls material back out of the sheathing joints, it indicates that the joint material is not sufficiently dry.**
 - a. For CMU and concrete, ensure that a continuous film of uniform thickness is applied across the entire surface and across mortar joints.
 4. While the Backstop NT - Texture is still wet, using a trowel or spatula, smooth out the Backstop NT - Texture around all window and door perimeters, and other areas that will later receive Dryvit Flashing Tape (Fig. 3).
 5. The Backstop NT - Texture material should be applied in a uniform, continuous film at the recommended coverage rate. Minimum 2 coats are required over CMU and concrete allowing a minimum of 2 hours between coats. **NOTE: Substrates with a surface texture, or high porosity, will require more material.**
- C. Trowel Application
 1. Apply a strip of Grid Tape over all sheathing joints and inside and outside corners. Mix the material as described above and, using a stainless steel trowel, apply a layer of Backstop NT - Texture over the Grid Tape. Spotting of fasteners is not necessary, when applying Backstop NT – Texture using a trowel. Allow to dry for a minimum of 1 hour or until dry to the touch.

- Using a stainless steel trowel, apply a continuous coating of Backstop NT - Texture material onto the entire sheathing surface. The material should be applied at a smooth, uniform, continuous film approximately equal to the thickness of the aggregate.

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.

D. Spray Application

- Apply a strip of Grid Tape over all sheathing joints and inside and outside corners. Mix the material as described above and, using a stainless steel trowel, apply a layer of Backstop NT - Texture over the Grid Tape and spot all fastener heads. Allow to dry for a minimum of 1 hour or until dry to the touch.
- Because of the absorption characteristics, plywood substrates may require a second pass to fill any voids in the sheathing joints. After the first pass has dried, check the joints and spot any voids that may be present with additional Backstop NT - Texture material and allow to dry.
- Using a hand held hopper gun, or other suitable spray equipment, spray a layer of Backstop NT – Texture onto the wall surface. Using a coarse, open-cell foam roller cover, with a 10 mm (3/8 in) foam nap, roll the material to create a smooth continuous film. **NOTE: If the roller pulls material back out of the sheathing joints, it indicates that the joint material is not sufficiently dry.**
- While the Backstop NT - Texture is still wet, using a trowel or spatula, smooth out the Backstop NT - Texture around all window and door perimeters, and other areas that will later receive Dryvit Flashing Tape (Fig. 3).

5. The Backstop NT - Texture material should be applied in a uniform, continuous film at the recommended coverage rate. **NOTE: Substrates with a surface texture, or high porosity, will require more material.**
- E. For EIF Systems using a Drainage Track along the base of walls, the Backstop NT - Texture may be brought over the vertical leg of the track to direct water into the track. The track is first fastened into the underlying framing using corrosion resistant screws. The track should be wiped clean with an acetone, vinegar or other cleaner to remove any surface oils, dirt, etc. Apply a strip of Grid Tape centered along the top edge of the track. Using a trowel or spatula, apply a layer of Backstop NT - Texture over the Grid Tape, trowel smooth and feather onto surrounding surface (Fig. 3). Ensure that there are no voids in the Backstop NT - Texture material along the top leg of the Drainage Track.
- F. Prior to proceeding, check the wall to ensure that the Backstop NT - Texture is continuous and spot any visible voids with additional Backstop NT - Texture material.
- G. For areas where the secondary barrier is required to lap onto flashing or other material, it is recommended that Flashing Tape™ be used to achieve the transition.
- H. Under normal conditions the wall will be ready to receive Flashing Tape (when necessary) and adhesively applied EPS insulation after a minimum 4 hour drying period. As with all products that dry by evaporation, the drying rate will depend on the environmental conditions and porosity of the substrate. Cool damp weather will require longer drying times.
- I. Also, during cool, damp weather, Dryvit Flashing Tape Surface Conditioner™ may be necessary to promote/assist in proper Flashing Tape adhesion.
- J. Install the specified Dryvit Exterior Insulation and Finish System per published installation instructions for the specific system being used.

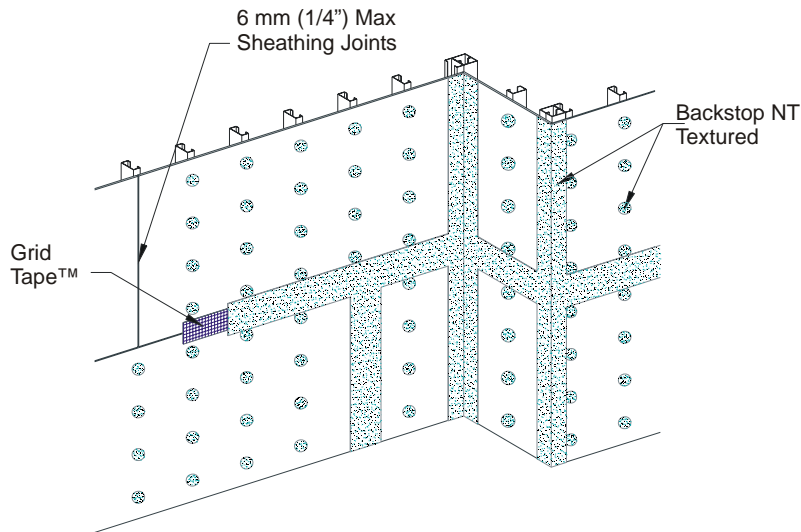


Figure 1

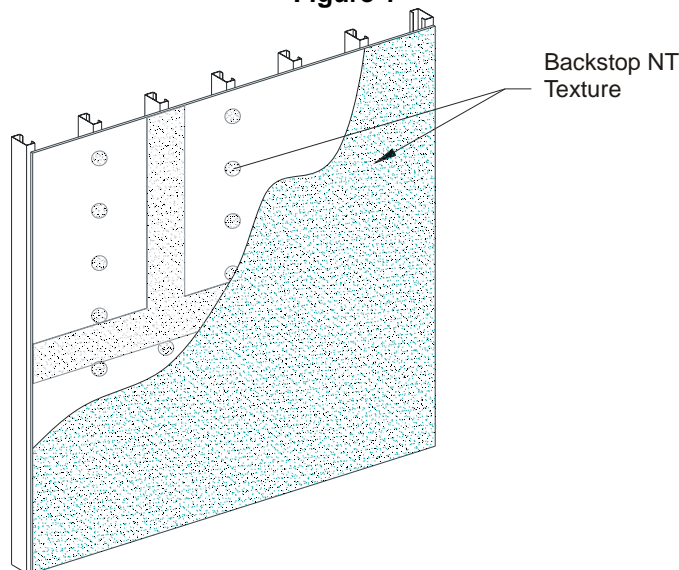


Figure 2

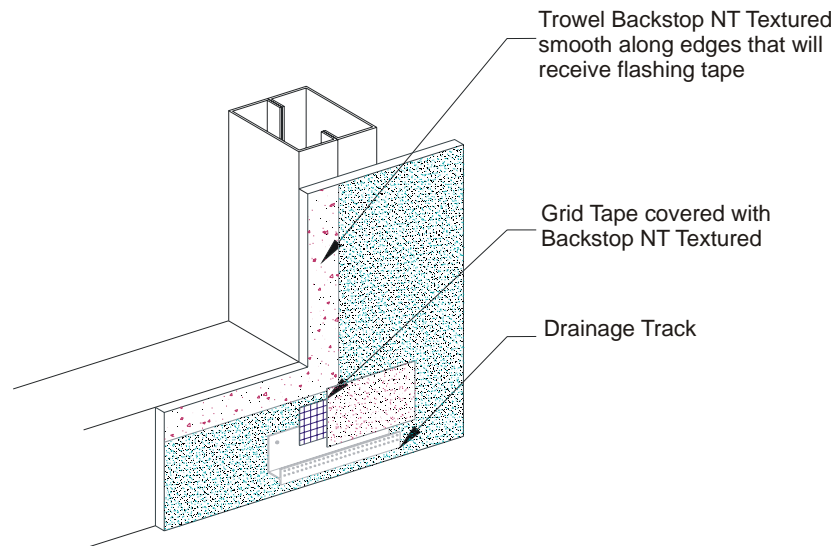


Figure 3

DISCLAIMER

Information contained in these application instructions conforms to standard detail and product recommendations for the installation of the Dryvit Backstop NT - Texture product as of the date of publication of this document and is presented in good faith. Dryvit UK Ltd. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact:

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