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## COLD WEATHER APPLICATION RECOMMENDATIONS FOR BACKSTOP NTX

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### BULLETIN SCOPE

This bulletin addresses recommendations and best practices for application of Backstop NTX Smooth and Texture weather barrier products in exterior application situations where air and substrates approach the minimum recommended temperature of 25°F (-4°C). As temperatures fall, these products will take longer to cure, especially when coupled with higher humidity. Precautions must be taken to ensure successful cure of the coatings in these conditions.

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### COOL WEATHER APPLICATION – DOWN TO 40°F (+4°C)

The Backstop NTX Smooth and Texture are water-based products and as such, rely on the evaporation of water to cure and form an adequate weather resistant film. As jobsite temperatures cool, the time for these coatings to cure will be longer. High relative humidity will prolong the time for a full cure even more. As temperatures drop in the shoulder seasons, applicators need to be aware of facilitating a good cure for these products. The following recommendations should be followed in cooler weather.

1. Application should not take place during inclement weather unless appropriate protection is provided. All work must be protected from moisture during and for a minimum of 24 hours after application.
2. At the time of application, air and surface temperatures should be 40°F (4°C) or higher and remain so for a minimum of 24 hours. Hand-held infrared surface temperature thermometers are strongly recommended to check the surface temperatures when application is done in the shade.
3. At the time of application, the substrate must be clean, dry, and free of frost. The Delmhorst Moisture Meter model #BD-2100 or applicable Tramex moisture meter (substrate dependent) is recommended to ensure the substrate is dry.
4. Extreme caution should be employed when using protective enclosures to apply the Backstop NTX products. The minimum air and surface temperatures must be maintained within the enclosure before, during, and a minimum of 24 hours after application. Adequate air movement and ventilation are essential in these enclosures to facilitate drying. Dryvit field service personnel can provide recommendations on set-up and installation of protective enclosures.
5. Pails of Backstop NTX products are to be stored at a minimum of 40°F (+4°C) up until the point of application. However, in cool weather conditions it is preferable to store them at 65°F (+18°C) or higher to facilitate a good cure.
6. If air and surface temperatures are below 40°F (+4°C) but no lower than 25°F (-4°C) please refer to the following section regarding cold weather application.

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## COLD WEATHER APPLICATION – 25°F TO 40°F (-4°C TO +4°C)

Backstop NTX Smooth and Texture may be applied in temperatures at or slightly below the freezing point of water, but special precautions must be taken to ensure success under these conditions.

1. Application should not take place during inclement weather unless appropriate protection is provided. All work must be protected from moisture during and for a minimum of 48 hours after application.
  2. At the time of application, air and surface temperatures should be 25°F (-4°C) or higher and remain so for a minimum of 48 hours. Hand-held infrared surface temperature thermometers are strongly recommended to check the surface temperatures when application is done in the shade.
  3. At the time of application, the substrate must be clean, dry, and free of frost. The Delmhorst Moisture Meter model #BD-2100 or applicable Tramex moisture meter (substrate dependent) is recommended to ensure the substrate is dry.
  4. Pails of Backstop NTX Smooth and Texture are to be stored at a minimum of 65°F (+18°C) or higher immediately prior to working with and applying when jobsite air and surface temperatures are 25°F to 40°F (-4°C to +4°C). This is to facilitate proper curing and film formation in these extreme conditions.
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