



# Technical Bulletin 2-10

Date: May 14, 2010

Subject: Technical Manual – Sections 2.33.1 & 3.14.4

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Please be advised of the following changes to the subject sections. Section additions are listed in red below:

## 2.33.1 - Cold Weather Application

A. Soprema does not place any restrictions on the application of its modified bitumen roofing systems at temperatures above forty (40°F) degrees Fahrenheit (4.4°C). Roof applications below this temperature require special measures to insure proper application of the roofing system. No hot asphalt application is acceptable without direct heating of the membrane directly during installation, i.e. a torch is used to preheat the roll and the substrate and all the seams are rolled with steel roller. For hot asphalt applied product applications below fifty (50° F) degrees Fahrenheit (10° C), all hot asphalt carriers must be insulated and monitored for the EVT tolerance and all rolls must be hand mopped with the mop not more than three (3') feet (1 m) from the leading edge of the membrane.

B. Below fifty (50° F) degrees Fahrenheit (10° C), no application should proceed with cold adhesive. Above fifty (50° F) degrees Fahrenheit (10° C), the membrane rolls need to be unrolled and allowed to flatten for a minimum of one (1) hour. The cold adhesive should be heated with a flameless and thermostatically controllable heat source to a temperature not less than seventy (70° F) degrees Fahrenheit (21.1° C) to provide adequate material temperature to meet estimated coverage rates. Adhesive and deck temperatures relate directly to anticipated coverage rates. Below fifty (50° F) degrees Fahrenheit (10° C) regardless of which method of application is used, all membrane should be stored at fifty (50° F) degrees Fahrenheit (10° C) or higher to speed application time.

C. Application procedures may not begin, or continue, when water is present in any form on the roof deck. Any moisture or condensation that could cause poor adhesion, voids, or entrapment within the system must be removed from the roof deck before work begins or continues.

D. The appropriate asphalt temperature shall be maintained during the installation of Soprema hot asphalt applied roofing systems. Unless asphalt temperatures at the point of application can be maintained at four hundred and twenty-five (425°F) degrees

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Fahrenheit (219°C), or the asphalt EVT, asphalt and roof membrane application shall be discontinued during cold weather.

E. During some cold weather installations, it may be desirable to cut the membrane into lengths between twelve (12') feet and eighteen (18') feet (3.7 m to 5.5 m).

F. Below fifty (50° F) degrees Fahrenheit (10° C), no application should proceed with self-adhered membranes. Above fifty (50° F) degrees Fahrenheit (10° C), the membrane rolls need to be unrolled and allowed to flatten for a minimum of one (1) hour.

### 3.14.4 - Self-Adhered Attachment Of Modified Bitumen Base Membrane

A. Unroll, position, and align the length of self-adhered base membrane at the lowest point of the roof with the release poly covered selvage edge on the up-slope side.

B. If beginning at a drain, it will be necessary to prepare the side lap area on the opposite side of the factory prepared lap area. For self-adhered membranes with plastic burn-off film on the top surface, the lap must be hot air welded in order to melt the film as successive sheets are installed. For self-adhered membranes with sand on the top surface, the sanded area must be primed with Elastocol 400 or 500, or other ASTM D 41 asphalt primer, prior to sealing the lap. End laps and "T" joints are sealed using hot air welding techniques or where applicable, heat welding, or flashing trowel grade cold adhesive.

C. The following applies to all but Lastobond products. After the membrane is placed in its final position, re-roll so that one-half of the sheet is rolled up. Using a straight blade utility knife, carefully score the release poly across the width of the roll.

D. Roll the self-adhered base membrane in to its final position as the release poly is being removed. Re-roll the remaining section of the self-adhered base membrane and repeat the process.

E. Align successive sheets with three (3") inch (76 mm) wide side laps and six (6") inch (152 mm) wide end laps.

F. See section 2.33.1 for temperature restrictions with self-adhered membranes.

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