

# INSTALLATION INSTRUCTIONS

## SOPRASMART® LAMINATED BOARDS



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The SOPRASMART Laminated Boards Family includes products whose characteristics, due to SOPREMA's lamination technology, are synonymous with speed, quality, durability and efficiency. With the roof membrane and cover board combined, installers gain valuable time and labor savings. These laminated roof boards are manufactured in a controlled environment for consistency with a variety of cover board options including SOPRABOARD®, polyisocyanurate insulation board and high density mineral wool (ROCK) resulting in labor and time savings with easy jobsite installation.

- Factory application of base ply to coverboard means one less step in the field, greatly reducing labor
- Aligned end laps allow for easy application of strip in ply in long runs
- Partially self adhered side lap means immediate water tight bond and protection of components underneath

### SUBSTRATE PREPARATION

Ensure substrates are clean, dry and otherwise satisfactory to receive SBS modified bitumen laminated cover-boards. Prime substrates as required for hot asphalt application (if used).

### APPLICATION

Starting at the low point of the roof, unfold board (if required) and lay them out on the prepared substrate. Ensure the boards are installed perpendicular to the roof slope and laps are shingled to prevent back-water laps. The end of SOPRASMART boards are butted and aligned, not staggered, ensuring that no board joints are aligned vertically with the insulation boards underneath.

SOPRASMART board end joints are designed to be aligned horizontally with a 1" overlap and not staggered. The end lap is sealed using the appropriate SOPRALENE® strip-in ply. **It is not necessary to weld the 1 inch overlap prior to heat welding the strip-in ply.**

### TWO-PART ADHESIVE:

Apply DUOTACK® 365 insulation adhesive in ½" to ¾" wide ribbons at the specified spacing for the required uplift.

**Immediately** install the SOPRASMART board into the adhesive and apply weight to ensure full contact with the ribbons. When laying the SOPRASMART board into the adhesive, make sure that the boards are butted tightly together at all joints. Prevent movement of the board until the adhesive has fully cured to prevent shifting or sliding.



### HOT ASPHALT:

Apply the specified mopping asphalt, referring to supplier published values for equiviscous temperature (EVT).

Install full coverage of mopping asphalt applied at 25-30 lbs/square or as required for meeting specified wind uplift. When laying the SOPRASMART board into the asphalt, ensure the boards are butted tightly together at all joints. Prevent movement of the board until the asphalt has had a chance to cool to prevent shifting or sliding.

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### MECHANICAL ATTACHMENT:

Install fasteners and seam plates centered within the self-adhesive portion of the DUO SELVEDGE side-laps. Ensure spacing between fasteners in the laps meets specified wind uplift resistance requirements. Do not over-drive fasteners, only as necessary to firmly set the fastener and seam plate tight against the surface to prevent wrinkles from forming in the side-lap as the fasteners are installed.

Where SOPRASMART board terminates at roof edges or walls and curbs, fasten the ends to the deck 12 inch on-centers or less.



During installation, ensure the DUO SELVEDGE side-laps are maintained clean and dry with the self-adhesive release film applied. To seal the side laps, remove the self-adhesive release film from the DUO SELVEDGE side lap and apply pressure with a weighted roller. Heat-weld the remaining outer edge of the SOPRASMART side-lap to ensure the side-laps are sealed watertight.



To seal film surfaced end-laps via heat welding, weld the SOPRALENE® FLAM 180 Cut 13" or SOPRALENE® 180 SP 3.0 Cut 13" strip-in ply, centered along the end joint.

To seal sand surfaced end-laps via self-adhering, prime the SOPRASMART end joints using ELASTOCOL™ STICK, ELASTOCOL STICK ZERO and fully adhere SOPRALENE® STICK Cut 13" strip-in ply, centered along the end joint.

**It is not necessary to seal the 1 inch overlap prior to applying the strip-in ply.**

### STORAGE & HANDLING

Store board flat and maintain in a horizontal position to prevent damage. Store board in a clean dry location and cover to protect boards from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of SOPRASMART Board. Extra caution should be taken to ensure the DUO SELVEDGE side laps are not damaged during transportation and application.

REFER TO SOPREMA PRODUCT DATA SHEETS AND RELATED INSTALLATION GUIDELINES FOR MORE INFORMATION.