

Formerly known as **SOPRALENE STICK HR 40**

SOPRAPLY STICK DUO



WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET

ANZ-TDS-70-SOPRAPLY STICK DUO

DESCRIPTION

SOPRAPLY STICK DUO is a base sheet membrane composed of SBS modified bitumen reinforced with a composite (glass grid and polyester) reinforcement.

SOPRAPLY STICK DUO is provided with DUO SELVEDGE technology which allows the immediate sealing of the membrane along side laps.

The surface is sanded and the self-adhesive underface is covered with a silicone release film.

APPLICATION FIELD

Designed for double layer application on horizontal surfaces, SOPRAPLY STICK DUO is adhered on different substrate for the following general applications;

- General roofing
- Green roofs
- Planter boxes

APPLICATION METHOD

SOPRAPLY STICK DUO is installed in total adhesion by peeling off the silicone release film with ELASTOCOL STICK primer on substrate. The overlaps are heat welded using a leister a hot air gun. The use of SOPRAMATIC automatic hot-air welder will greatly increase the speed and quality of the seal.

INSTALLATION PROCEDURE

SUBSTRATE

- No work should be started until all surfaces are smooth, dry, and free of ice, snow or any other substance that may prevent the membrane from adhering properly.
- Substrate must have a minimum 1% gradient to ensure that water drains to drainage outlets.
- Concrete substrate must be fully cured before application of the membrane.
- Concrete substrate must have a Concrete Surface Profile (CSP) between 2 and 4 as per International Concrete Repair Institute.
- Adhesion test is recommended prior to installation of membrane.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator
- The use of ELASTOCOL STICK primer is required before the installation of SOPRAPLY STICK DUO membrane.

INSTALLATION

- Unroll the SOPRAPLY STICK DUO onto the roof surface.
- Once the SOPRAPLY STICK DUO is in place, apply pressure over the whole surface using a membrane roller to ensure a complete and uniform adhesion
- When completing the end lap, apply ELASTOCOL STICK primer over the last 150 mm of the SOPRAPLY STICK DUO before installing the next membrane. Ensure end-laps are staggered by 50 cm apart.
- Finish the application by welding the side lap using an electric hot-air welder and a membrane roller. The use of SOPRAMATIC automatic hot-air welder will greatly increase the speed and quality of the seal.
- All penetrations and upturn details should be waterproof as per SOPREMA Installation Guides and detail drawings.
- Minimum application temperature: 0 °C

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR LOCAL SOPREMA REPRESENTATIVE.



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NOTE : ALL products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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PACKAGING

SPECIFICATIONS	SOPRAPLY STICK DUO
Thickness	3.0 mm
Surface	Sanded
Underface	Self-adhesive, covered with a silicone release film
Selvedge width	100 mm
Roll dimensions	10 m x 1 m
Roll weight	35 kg
Rolls per pallet	30

PROPERTIES

PROPERTIES	STANDARDS	SOPRAPLY STICK DUO	
		BEFORE Heat Conditioning	AFTER Heat Conditioning
Reinforcement	-	Composite	
Strain energy, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C	CSA A123.23-15, Type C, Grade 3	8/6.5 kN/m 8/7 kN/m	7/6 kN/m 6.5/6 kN/m
Peak load, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C		17/14 kN/m 22/19 kN/m	18/15 kN/m 22/17 kN/m
Elongation at peak load, min MD/XD At 23 °C ± 2 °C At -18 °C ± 2 °C		55/55 % 45/45 %	50/50% 35/35 %
Ultimate elongation, MD/XD At 23 °C ± 2 °C		65/65 %	55/55 %
Dimensional stability, max MD/XD		±0.2/±0.2 %	
Low temperature flexibility, max MD/XD		-27 / -27 °C	-18 / -18 °C
Compound stability at 91 °C		121 / 121 °C	
Resistance to puncture	Pass		
Water vapour transmission	ASTM E96 (Procedure B)	< 2.5 ng/Pa•s•m ² (< 0.04 perm)	

STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application, and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by the Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.



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