

# SOPRABASE FR

# SOPRABASE FR 180

TECHNICAL DATA SHEET  
**110719SCAN1E**  
(supersedes 090121CAN1E)

## DESCRIPTION

**SOPRABASE FR** and **SOPRABASE FR 180** are high-strength wood fibreboards impregnated with a fire retardant with a factory laminated SBS bitumen base sheet membrane. The top face of the membrane is covered with a thermofusible plastic film.

**SOPRABASE FR** and **SOPRABASE FR 180** have a patented **DUO SELVEDGE**, exclusive at Soprema. The first 50 mm (2 in) of the **DUO SELVEDGE** are self-adhesive and sealed by applying pressure with a roller. The last 25 mm (1 in) of the **DUO SELVEDGE** is heat-welded by using appropriated tools. **SOPRALAP** cover strip must be installed at the end lap to ensure the waterproofing of the membranes.

**SOPRABASE FR** and **SOPRABASE FR 180** boards can be mechanically fastened, bonded with hot bitumen or **COLTACK** or **DUOTACK** adhesives.

**FOR COMPLETE INFORMATION ON APPLICATION AND SYSTEMS, PLEASE CONSULT OUR SPECIFICATION MANUAL.**

## PROPERTIES

Properties	Standards	SOPRABASE FR	SOPRABASE FR 180
Board Dimensions	–	0.91 x 2.59 m (3 x 8.5 ft)	
Membrane Dimensions	–	1 x 2.61 m (39 in x 8.6 ft)	
Thickness	–	12.5 mm (0.5 in)	
Weight	–	13.6 kg (30 lb)	13.0 kg (29 lb)
R value	–	1.6	
Flame spread (fibreboard)	ULC S-102 / ULC S-102.2	< 25	

Membrane Properties			
Reinforcement Type	–	Glass Mat	Non-Woven Polyester
Breaking Strength, MD/XD	CAN/CGSB-37.56-M, 9 <sup>th</sup> draft	11 / 8.5 kN/m	14.4 / 10.9 kN/m
Ultimate Elongation, MD/XD	CAN/CGSB-37.56-M, 9 <sup>th</sup> draft	4 / 4 %	48 / 59 %
Tear Strength, MD/XD	CAN/CGSB-37.56-M, 9 <sup>th</sup> draft	30 N	50 N
Cold bending	-initial -90 days at 70°C	CAN/CGSB-37.56-M, 9 <sup>th</sup> draft	-30 °C -30 °C

(All values are nominal)