



ACCESSORY PRODUCTS

APPLICATIONS

ROOFS

SCREWS AND PLATES SOPREMA

TECHNICAL DATA SHEET 210730SCANE

(supersedes 170929SCANE)

DESCRIPTION

SCREWS AND PLATES SOPREMA are hardened carbon steel no 14 Phillips head fasteners with anticorrosion coating. They are designed for heavy-duty attachment membranes and composite panels to a minimum 18-22 ga steel, 19 mm (3/4 in) plywood, 38 mm (1 1/2 in) wood and *concrete.

INSTALLATION

*Predrilled with standard 4.8 mm (3/16 in) carbide tip to minimum 13 mm (1/2 in) deeper than the fastener penetration.

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

CONDITIONNEMENT

SCREWS	
Material	Hardened carbon steel
Thread diameter	6.1 mm (0.238 in)
Shank diameter	4.6 mm (0.180 in)
Head diameter	11.4 mm (0.448 in)
Head style	No 3 deep recess Phillips
Point type	Drill point
WASHERS	
Material	Galvalume
Plate diameter**	50 mm (2 in)
Hole diameter	6.5 mm (0.255 in)
Gauge	20
Qty/skid	36 boxes per skid for all sizes of screws, plates, and pre-assembled components.

**50 mm (2 in) round barbed plates, conform to FM 4470.
(Valeurs nominales)

Specifications	Length	Units per box
SCREWS AND PLATES SOPREMA	5.1 cm (2 in)	500
	7.6 cm (3 in)	500
	10.1 cm (4 in)	250
	12.7 cm (5 in)	250
	15.2 cm (6 in)	250
	17.8 cm (7 in)	250
	17.8 cm (7 in)	500
	20.3 cm (8 in)	250
SCREWS	5.1 cm (2 in)	1000
	7.6 cm (3 in)	1000
	10.1 cm (4 in)	1000
	12.7 cm (5 in)	1000
	15.2 cm (6 in)	1000
	17.8 cm (7 in)	500
	17.8 cm (7 in)	500
	25.4 cm (10 in)	500
PLATES	30.5 cm (12 in)	250
	5.1 cm (2 in)	1000

(All values are nominal)



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PROPERTIES

Properties	Standards	SCREWS AND PLATES SOPREMA
Resistance to corrosion of coating	-	> FM 4470
Pull out load on following types of deck: Steel – (gauge 22) Wood – 38 mm (1½ in) Concrete – (4000 psi) plywood – 19 mm (¾ in)	-	204 kg (457 lb) 274 kg (605 lb) 386 kg (850 lb) 268 kg (590 lb)
Minimum penetration on following types of deck: Steel – (gauge 18 to 22) Wood – 38 mm (1½ in) Structural concrete Plywood – 19 mm (¾ in)	-	19 mm (¾ in) 25 mm (1 in) 25 mm (1 in) Minimum through penetration 6.4 mm (¼ in)

Note: Testing performed under laboratory conditions; field conditions may vary.
(All values are nominal)



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