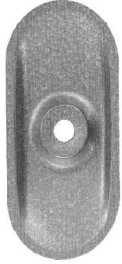


PRODUCT DATASHEET

SPO/ SPR “STRESS PLATES”



PRODUCT DETAILS

Evolution Stress Plates are designed for use with Masonry screws, Evolution Heavy Duty Screws, Insulation screws and Tek screws. Evolution Stress plates are used when fixing insulation and single ply materials to help distribute load and prevent the material being fastened from pulling over the head of the fastener.

Insulation plates are also used when mechanically attaching rigid form insulation to roof decks. The design of the insulation plate allows it to flex during installation if a fastener is overdriven preventing damage to the insulation board.

For corrosion resistance, a Galvalume coating is applied to the carbon steel plates. This coating is comprised primarily of aluminium and zinc.

Oval stress plates; sometimes called lap plates, are used when mechanically attaching single ply material in the area of the lap or seam.

TECHNICAL INFORMATION

Stress Plate Nominal Dimensional Information

SKU	Form	Nominal Thickness (mm)	Nominal Dimensions (mm)
SPR50	Round	0.5	50.0 (diameter)
SPR70	Round		70.0 (diameter)
SPR90	Round		90.0 (diameter)
SPO82	Oval		82.0 x 40.0

Stress Plate Companion Fixing Finder

Fixture Type	Substrate Type	Carbon Steel (EvoShield® Coated)	Bi-Metal and Stainless Steel
Rigid Insulation/ Single Ply Membrane	Masonry	MSHH	A4HH
	Masonry	ERS	N/A
	Steel (0.6-1.2mm)	ERS	N/A
	Steel (0.6-2.5mm)	IS	A4IS
	Steel (1.2-3.5mm)	TSBWHT TEK 3	BMTSBWHT TEK 3
	Steel (4.0-12.5mm)	TSBWHT TEK 5	BMTSBWHT TEK 5

NOTE: The results expressed in this document are determined from empirical testing. Specifiers, end-users and other third parties should make their own decision(s) on what safety factors to use relevant to their design(s)/ application(s). This document is provided, strictly: without prejudice, without recourse, without liability, non-assumpsit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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