



SureFast® SF-P Pressure Plates

Pressure plates for insulation and membrane attachment in flat roofing applications

Application

- For fastening insulation and membrane in flat roof applications where tube washers are not practical.
- For fastening insulation and membrane to plywood upstands

Key Features

- Variety of sizes and profiles to suit all applications
- Stainless steel options for optimum corrosion resistance
- ETA Approved and CE Marked
- Designed and precision manufactured by Fixfast



Technical Data

Document reference

FF P SF-P 003

01 FASTENER SYSTEMS
SureFast® Fasteners

SF-P Pressure Plates

Specification		
Code	Material	Application
SF-P-70-F	Galvanised Steel	For insulation attachment
SF-P-70-D	Galvanised Steel	For insulation attachment
SF-P-SS-70-D	A2 Stainless Steel	For insulation attachment
SF-P-40-F	Galvanised Steel	For membrane attachment
SF-P-SSA4-40-F	A4 Stainless Steel	For membrane attachment
SF-P-8240-S	Galvanised Steel	For membrane attachment
SF-P-8240-D	Galvanised Steel	For membrane attachment over insulation

Installation and handling	
Correct installation	Fasteners should be driven within three degrees of perpendicular to the surface of the fastened material. Avoid over-driving, and do not over-tighten.
Handling	Plates may have sharp edges, and the use of power tools can be dangerous. Use personal protective equipment. Store plates in dry conditions. Inspect each plate before use and do not use damaged plates. Replace any plates which appear to have been installed incorrectly.

Dimensions			
Code	Description	Dimensions	
		External Diameter	Hole Size
SF-P-70-F	70mm Round Steel Flat plate	70mm diameter	6.5mm
SF-P-70-D	70mm Round Steel Deep Dish	70mm diameter	6.5mm
SF-P-SS-70-D	70mm Round A2 Stainless Steel Deep Dish	70mm diameter	6.5mm
SF-P-40-F	40mm Round Steel Flat plate	40mm diameter	6.5mm
SF-P-SSA4-40-F	40mm Round A4 Stainless Steel Flat Plate	40mm diameter	6.5mm
SF-P-8240-S	82 x 40mm Oval Steel Shallow Dish	82 x 40mm Oval	6.5mm
SF-P-8240-D	82 x 40mm Oval Steel Deep Dish	82 x 40mm Oval	6.5mm

Fastener Compatibility						
Fastener Plate	SF-RS-4.8	SF-RS-5.8	SF-RS-6.1	SF-RS-SSA4-4.8	SF-RS-SSA4-6.1	SF-RS-SS-HCR-5.8
SF-P-70-F	X	X	X			
SF-P-70-D	X	X	X			
SF-P-SS-70-D				X	X	X
SF-P-40-F	X	X	X			
SF-P-SSA4-40-F				X	X	X
SF-P-8240-S	X	X	X			
SF-P-8240-D	X	X	X			

Durability class *								
		Years / Environment						
		Interior	Semi-interior	Rural	Urban	Industrial / Coastal	Marine	Swimming pools & Chemical plants
Corrosivity Category		C1	-	C2	C3	C4	C5	-
Plate Material	Fastener Material							
A4 stainless grade 316	A4 stainless grade 316	40	40	40	40	30	25	n/a
A2 stainless grade 304	A2 stainless grade 304	30	25	25	25	15	n/a	n/a
Galvanised Steel	Organic Coated Steel	25	20	15	n/a	n/a	n/a	n/a

* Warranty available is restricted by the fastener selected, assuming that the plate material is equal or higher material specification.

Environment Conditions are defined in Fixfast's ***Terms and Conditions of Warranty***

Atmospheric environments are now commonly categorised by reference to an international standard, of which the UK version is BS EN ISO 9223:2012.

Certification	
ETA	ETA_15-0406_Version_2017-01-13
	

Notes

Usage conditions

The plates are for use with decks and substrates shown in the data above within the limits stated. The fixing area must be solid with no perforations and must be chemically inert and dry.

The plates are for use with PUR/PIR/EPS/XPS and Mineral Wool insulation provided that it is chemically inert and dry.

The plates must be stored with due care and must not be allowed to suffer any corrosion prior to installation.

Fixing patterns must be established on the basis of a wind load calculation to BS EN 1991-1-4, and any National Annex. It is the designer's responsibility to take into account all loading criteria and apply appropriate safety factors in accordance with performance data issued by Fixfast. The design of the building and application where the plate is to be used must be to the minimum standard of mechanical performance laid down from time to time in the appropriate Codes of Practice or Building Regulations, SPRA Design Guide, BRUFMA Guidelines etc.

Where the plate will be in contact with a vapour control layer, this must be of a Bituminous, Polythene or EPDM type. Where the plate will be in contact with sealants, they should be an approved A-grade for mastic and low-modulus neutral-cure for silicone. Any other material in contact with the plate must be approved in SPRA guidelines for use within a single-ply application and must be chemically inert and dry. Such materials and their effect on the fasteners' performance are not the responsibility of Fixfast.

Fixfast products must be used as a complete system with tools and accessories as recommended, according to Fixfast's recommended procedures and according to good roofing practice as detailed by the appropriate approved body for the type of work. They must be used only in conjunction with other Fixfast products where such other products are available. They must not be cut, altered or modified.

The waterproofing layer must remain intact and impermeable throughout the installed life of the plate. The stated performance of the plate will only apply while there is no damage or degradation to the materials it is associated with in the application, and as long as there is no change to the fastener's immediate environment.

Performance data is applicable to use with new materials as detailed in a new-build application. Refurbishment or extensions/additions/abutments may be considered new-build if all materials used in conjunction with the plates are themselves new and unaffected and uncontaminated by any previous installation.

The plates are suitable for use in buildings with an internal temperature range of -20°C to 50°C. These environmental conditions must remain unaffected throughout the installed life of the fastener, and any change will invalidate the performance data for the fastener. The plates will remain UV stable provided that are completely covered by the membrane, so as to be rendered unaffected by external conditions.