

SureFast® SF-P Pressure Plates



Pressure plates for insulation and membrane attachment in flat roofing applications

Application

For mechanically fixing membrane and insulation to steel, timber and concrete decks in combination with appropriate SureFast® fasteners

For fastening insulation and membrane to plywood upstands

Key Features

Variety of sizes and profiles to suit a range of common applications

Stainless steel options for high corrosion resistance

ETA Approval and CE Marked

Manufactured to controlled tolerances in accordance with Fixfast's production standards

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

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SureFast® SF-P Pressure Plates

Installation and Handling

Correct installation This product is part of the SureFast® fastening system, and must be used with appropriate SureFast® screws. See 'Fastener Compatibility' for further details.

Handling Plates may have sharp edges, and the use of power tools can be dangerous. Use personal protective equipment. Store fasteners in dry conditions. Inspect each fastener before use and do not use damaged fasteners. Replace any fasteners which appear to have been installed incorrectly.

Dimensions

Code	Description	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 Plate	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

Code	SF-RS-4.8	SF-RS-5.8	SF-RS-6.1	SF-RS-SSA4-4.8	SF-RS-SSA4-6.1	SF-RS-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			

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Durability Class

		Years / Environment						Swimming pools & chemical plants
		Interior	Semi-Interior	Rural	Urban	Industrial / Coastal	Marine	
Corrosivity class		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	x

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

Actual service life depends on application, environment and correct installation.

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 of 21.05.2025
	

Usage Conditions

1. Application

Fixfast fasteners are suitable for use only with the substrates, materials and system components specified in the relevant product data-sheet and within the stated performance limits.

The fixing substrate must be solid, free from perforations and in sound condition. Materials in contact with the fastener must be chemically inert and suitable for the intended application.

Fasteners may be used with insulation materials such as PUR, PIR, EPS, XPS and mineral wool provided such materials are chemically inert, dry and compatible with the relevant roofing or building envelope system.

2. Installation

Fasteners must be stored in dry conditions and protected from corrosion, contamination or damage prior to installation.

Installation must be carried out in accordance with Fixfast installation instructions and recognised industry good practice by suitably trained and competent personnel. Fasteners must not be cut, altered or otherwise modified.

3. Design Responsibility

Fastener selection and fixing patterns must be determined by the project designer based on structural load calculations in accordance with the relevant Eurocode standards, Building Regulations and recognised Codes of Practice.

Compatibility of materials forming part of the building envelope system remains the responsibility of the system designer or specifier.

4. Environmental Conditions

Fasteners are suitable for use in residential, commercial and industrial buildings where surrounding materials are chemically inert and the environment is not subject to conditions that would adversely affect the performance of the fastener material.

Classification of environmental conditions, including internal humidity classification in accordance with BS 5250, temperature range and external atmospheric corrosivity in accordance with ISO 9223, shall be determined by the project designer or specifier.

The selection and suitability of fastener materials in relation to environmental exposure, including the effects of localised conditions or microclimates and the intended design life of the construction, remain the responsibility of the project designer or specifier.

Environments containing chlorides or other aggressive substances, including but not limited to swimming pool buildings and roof voids or enclosed spaces above such areas where chlorinated vapours may accumulate, may present a risk of accelerated corrosion or stress corrosion cracking. Such environments shall be subject to specific assessment by the project designer, and only products explicitly designated by the manufacturer as suitable for these conditions shall be used.

Guidance for Specifiers – Typical Material Selection

The table below provides general guidance only and does not replace project-specific assessment.

Fastener Material	External Environment	Internal Environment
Carbon Steel (coated)	C1 - C2	HC1 - HC3
A2 Stainless Steel (1.4301 / 304)	C1 - C3	HC1 - HC4
A4 Stainless Steel (1.4401 / 316)	C1 - C4	HC1 - HC4
HCR Stainless Steel (1.4529 / equivalent)	C1 - C5	HC1 - HC5

5. Performance Data

Performance data published by Fixfast is derived from laboratory testing conducted under controlled conditions. Actual in-service performance may vary depending on substrate characteristics, installation practice and environmental exposure.

Fixfast fasteners provide mechanical attachment only. The performance, suitability and durability of the complete building envelope system remain the responsibility of the system designer and installer.