Maximum reliability. Minimum fuss.

FIXFAST

Selector Guide

Kingspan KS1000 RW

Kingspan

Fastener Systems and Sealing Products

Contents

Introduction to Fixfast

Fixfast design, manufacture and supply specialist building fasteners and components for the walls and roofs of industrial, commercial and larger residential buildings. We collaborate with major building envelope system manufacturers, such as Kingspan, to provide them and their clients with engineered fastening and sealing solutions.

This selector guide has been created as an easy to use reference document, identifying the most common fasteners and components for use when installing the Kingspan KS1000 RW panel system.

Full technical data for these products along with application uses can be found on our website at www.fixfast.com by searching for the product.

Our specification team can assist in providing NBS specifications for specific projects, whilst our customer services team can answer questions regarding the usage or ordering of Fixfast products.

If you have any queries regarding our products or services then please do contact our customer services team on 0800 304 7616 or by emailing sales@fixfast.com.

KS1000 RW primary fixing to cold rolled steel 1.2 - 3.0mm

Use MatchFast® MF3-SS-HT or MF3-HT high thread fasteners

11mm bi-hex head, use Fixfast MF1165 drive socket

Fixing lengths based on fastening through the trough of the panel.

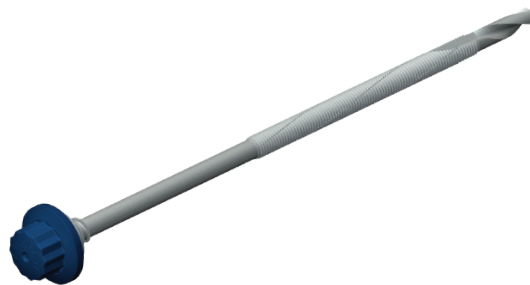| Panel Core Thickness	Fastener Code Stainless	Fastener Code Carbon
40mm	MF3-SS-HT-A19-5.5 x 85 + colour	MF3-HT-A19-5.5 x 65 + colour
50mm	MF3-SS-HT-A19-5.5 x 85 + colour	MF3-HT-A19-5.5 x 85 + colour
60mm	MF3-SS-HT-A19-5.5 x 110 + colour	MF3-HT-A19-5.5 x 85 + colour
70mm	MF3-SS-HT-A19-5.5 x 110 + colour	MF3-HT-A19-5.5 x 105 + colour
80mm	MF3-SS-HT-A19-5.5 x 110 + colour	MF3-HT-A19-5.5 x 105 + colour
100mm	MF3-SS-HT-A19-5.5 x 130 + colour	MF3-HT-A19-5.5 x 130 + colour
115mm	MF3-SS-HT-A19-5.5 x 150 + colour	MF3-HT-A19-5.5 x 150 + colour
120mm	MF3-SS-HT-A19-5.5 x 150 + colour	MF3-HT-A19-5.5 x 150 + colour
137mm	MF3-SS-HT-A19-5.5 x 180 + colour	MF3-HT-A19-5.5 x 180 + colour
150mm	MF3-SS-HT-A19-5.5 x 180 + colour	MF3-HT-A19-5.5 x 180 + colour

For fixing panels to timber, please contact Fixfast Customer Service team on **0800 304 7616**

KS1000 RW primary fixing to hot rolled steel 4.0 - 12.0mm

Use MatchFast® MF12-SS-HT or MF12-HT high thread fasteners
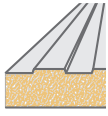
11mm bi-hex head, use Fixfast MF1165 drive socket

Fixing lengths based on fastening through the trough of the panel.

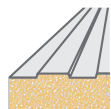| Panel Core Thickness	Fastener Code Stainless	Fastener Code Carbon
40mm	MF12-SS-HT-A19-5.5 x 115 + colour	MF12-HT-A19-5.5 x 85 + colour
50mm	MF12-SS-HT-A19-5.5 x 115 + colour	MF12-HT-A19-5.5 x 105 + colour
60mm	MF12-SS-HT-A19-5.5 x 115 + colour	MF12-HT-A19-5.5 x 105 + colour
70mm	MF12-SS-HT-A19-5.5 x 150 + colour	MF12-HT-A19-5.5 x 125 + colour
80mm	MF12-SS-HT-A19-5.5 x 150 + colour	MF12-HT-A19-5.5 x 125 + colour
100mm	MF12-SS-HT-A19-5.5 x 150 + colour	MF12-HT-A19-5.5 x 145 + colour
115mm	MF12-SS-HT-A19-5.5 x 200 + colour	MF12-HT-A19-5.5 x 165 + colour
120mm	MF12-SS-HT-A19-5.5 x 200 + colour	MF12-HT-A19-5.5 x 165 + colour
137mm	MF12-SS-HT-A19-5.5 x 200 + colour	MF12-HT-A19-5.5 x 185 + colour
150mm	MF12-SS-HT-A19-5.5 x 200 + colour	MF12-HT-A19-5.5 x 205 + colour

KS1000 RW fixing for metal flashing to panel

Use MatchFast® MF2-SS or MF2 stitching fasteners
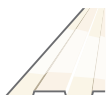11mm bi-hex head, use Fixfast MF1165 drive socket.

Fastener Code - Stainless	Fastener Code - Carbon
MF2-SS-A15-6.3 x 25 + colour	MF2-A15-6.3 x 25 + colour

KS1000 RW side lap stitcher

Use MatchFast® MF2-SS or MF2 stitching fasteners
11mm bi-hex head, use Fixfast MF1165 drive socket .

Fastener Code - Stainless	Fastener Code - Carbon
MF2-SS-A15-6.3 x 25 + colour	MF2-A15-6.3 x 25 + colour

Fixing Rooflights
*The specifications for fixing rooflights are different to the specifications shown in this guide.
Please see our Kingspan KS1000 DLTR Selector Guide to select fastener systems and
sealing products for these applications.*

KS1000 RW sealant for end and side laps

Use A Class butyl strip sealant

Sealant Code	Thickness x width (mm)	Roll length (m)
A-5 x 6 x 9.6	5 x 6	9.6

KS1000 RW air sealant

Use A Class butyl strip sealant

Sealant Code	Thickness x width (mm)	Roll length (m)
A-8 dia x 6	8 dia bead	6

KS1000 RW vapour sealant

Use A Class butyl strip sealant

Sealant Code	Thickness x width (mm)	Roll length (m)
A-6 dia x 8	6 dia bead	8

KS1000 RW sealant for bedding in flashings and detail trims

Use A Class butyl strip sealant

Sealant Code	Thickness x width (mm)	Roll length (m)
A - 3 x 9 x 15	3 x 9	15

KS1000 RW PVC foam tape for all internal air sealing

Use PVC foam air sealing tape

Sealant Code	Thickness x Width (mm)	Roll Length (m)
AST - 6 x 20 x 12	6 x 20	12

KS1000 RW fire resistant construction foam for filling ridge, gable and hip junctions

Use FIREFOAM-B1

Sealant Code	Cartridge Size (ml)
FIREFOAM-B1-GUN	750
FIREFOAM-B1-HAND	750

KS1000 RW bedding sealant for filler blocks at ridges & hips. Also for use in internal air sealing applications
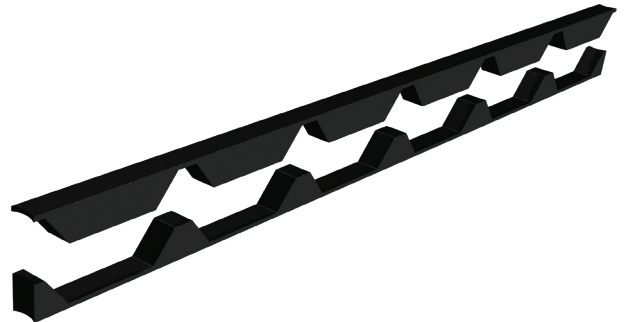
Use Seelex BR gun grade butyl rubber sealant

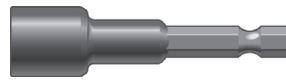| Sealant Code	Cartridge Size (ml)
SEELEX BR	380

KS1000 RW EPDM foam filler blocks

Use EPDM foam fillers

Also available in fire resistant material.
Please enquire for details.

Code
EPDM KS1000 RW

MF1165 Drive

One-piece drive socket for 11mm bi-hex-head fasteners

Product Code: MF1165

Many other tools and accessories are available.

Please see the current Fixfast Product Directory,
go to **www.fixfast.com**, or ask the Fixfast customer service team.

MF3-SS-HT-5.5 Range

Material	1.4301 stainless steel (304M), with steel case hardened welded point and UV-stabilised nylon moulded head
Coating	Organic
Drilling Capacity	1.2mm - 3.0mm steel

Pull-out Values (axial load resistance)	
Substrate	Characteristic value
1.2mm Steel	1.30kN
2.0mm Steel	2.62kN
3.0mm Steel	4.76kN
Softwood 35mm Embedment	3.57kN

MF3-HT-5.5 Range

Material	Steel SAE1022 case hardened and UV-stabilised nylon moulded head
Coating	Organic
Drilling Capacity	1.2mm - 3.0mm steel

Pull-out Values (axial load resistance)	
Substrate	Characteristic value
1.2mm Steel	1.52kN
2.0mm Steel	3.01kN
3.0mm Steel	5.42kN
Softwood 35mm Embedment	3.57kN

MF12- SS-HT-5.5 Range

Material	1.4301 stainless steel (304M), with steel case hardened welded point and UV-stabilised nylon moulded head
Coating	Organic
Drilling Capacity	4.0mm - 12.0mm steel

Pull-out Values (axial load resistance)	
Substrate	Characteristic value
4.0mm Steel	2.80kN
6.0mm Steel	3.09kN
8.0mm Steel	6.89kN
12.0mm Steel	6.89kN

MF12-HT-5.5 Range	
Material	Steel SAE 1022 case hardened and UV-stabilised nylon moulded head
Coating	Organic
Drilling Capacity	4.0mm - 12.0mm steel
Pull-out Values (axial load resistance)	
Substrate	Characteristic value
4.0mm Steel	5.44kN
6.0mm Steel	12.75kN
8.0mm Steel	13.92kN
12.0mm Steel	13.92kN

MF2-SS-6.3 x 25	
Material	1.4301 stainless steel (304M), with steel case hardened welded point and UV-stabilised nylon moulded head
Coating	Organic
Drilling Capacity	Max 2 x 1.0mm S275 steel
Pull-out Values (axial load resistance)	
Substrate	Characteristic value
0.5mm Steel	0.60kN

MF2-6.3 x 25	
Material	Steel SAE1022 case hardened with UV-stabilised nylon head
Coating	Organic
Drilling Capacity	Max 2 x 1.0mm steel
Pull-out values (axial load resistance)	
Substrate	Characteristic Value
0.5mm Steel	0.68 kN

Fastener Data

+ All dimensions are subject to manufacturing tolerances.

+ Performance values are tested and calculated according to Eurocode procedures and appropriate safety factors should be applied in any calculations using these values.

Fastener Selection

+ Recommended fastener lengths are calculated using standard tolerances for the fasteners and the combination of materials in the build-up.

+ If there is distortion in the supporting construction, or other non-standard application detail, longer fasteners may be necessary than those shown. Always check the actual circumstances before deciding on a particular length.

Further Assistance

+ For any enquiry, or to discuss your requirements with someone knowledgeable, call the Fixfast customer service team on **0800 304 7616**.

+ Full literature is available for the Fixfast range, visit **www.fixfast.com**

+ Other performance data may be available on request. For more unusual applications, tests can be carried out in our in-house technical centre to provide the necessary data.

+ CAD files of fasteners are available on request for inclusion in drawings.

The information contained in this document is based on the specification of the Kingspan KS1000 RW system and Fixfast's product data. It is provided in good faith but Fixfast cannot be held liable for any errors. Performance is dependent on adherence to the conditions and instructions contained in Fixfast's Technical Data Sheets for the products shown. Performance values should be approved by a qualified engineer, and Fixfast recommend preliminary tests for any application where variation is possible in the materials or substrates involved.

FIXFAST

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Certificate number 10905
ISO 9001, ISO 14001
OHSAS 18001