FIXFAST

SELECTOR GUIDE

**Maximum reliability.** Minimum fuss.

# TATA Trisomet

Fastener Systems and Sealing Products

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 TATA, 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 TATA Trisomet 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 +44 (0) 1732 882387 or by emailing sales@fixfast.com.

**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.**

# Contents


| | |
|---|---|
| Products for specific applications | 03 |
| Accessories | 09 |
| Installation and handling | 09 |
| Technical notes | 11 |

## Fixing TATA Trisomet to cold-rolled steel - roof application

**Fixing Trisomet: Primary fixing - roof application to cold rolled steel**

Use MatchFast® fasteners.

11mm bi-hex head, use Fixfast MF1165

| Panel Thickness | Fastener Code 316/A4 Stainless Steel | Fastener Code 304/A2 Stainless Steel | Fastener Code Carbon |
|---|---|---|---|
| 40mm | MF5-SSA4-HT-S19-6.3 x 85 | MF3-SS-HT-A19-5.5 x 85 | DF3-HT-A19-5.5 x 65 |
| 60mm | MF5-SSA4-HT-S19-6.3 x 115 | MF3-SS-HT-A19-5.5 x 110 | DF3-HT-A19-5.5 x 85 |
| 80mm | MF5-SSA4-HT-S19-6.3 x 115 | MF3-SS-HT-A19-5.5 x 110 | DF3-HT-A19-5.5 x 105 |
| 100mm | MF5-SSA4-HT-S19-6.3 x 135 | MF3-SS-HT-A19-5.5 x 130 | DF3-HT-A19-5.5 x 130 |
| 120mm | MF5-SSA4-HT-S19-6.3 x 155 | MF3-SS-HT-A19-5.5 x 150 | DF3-HT-A19-5.5 x 150 |
| 135mm | MF5-SSA4-HT-S19-6.3 x 185 | MF3-SS-HT-A19-5.5 x 180 | DF3-HT-A19-5.5 x 180 |

For fixing panels back to timber, please contact Fixfast Customer Service team on **+44 (0) 1732 882387**

## Fixing TATA Trisomet to cold-rolled steel - wall application

**Fixing Trisomet: Primary fixing - wall application to cold rolled steel**

Use MatchFast® fasteners.

11mm bi-hex head, use Fixfast MF1165

| Panel Thickness | Fastener Code 316/A4 Stainless Steel | Fastener Code 304/A2 Stainless Steel | Fastener Code Carbon |
|---|---|---|---|
| 40mm | MF5-SSA4-HT-S16-6.3 x 85 | MF3-SS-HT-A15-5.5 x 85 | DF3-HT-A15-5.5 x 65 |
| 60mm | MF5-SSA4-HT-S16-6.3 x 115 | MF3-SS-HT-A15-5.5 x 110 | DF3-HT-A15-5.5 x 85 |
| 80mm | MF5-SSA4-HT-S16-6.3 x 115 | MF3-SS-HT-A15-5.5 x 110 | DF3-HT-A15-5.5 x 105 |
| 100mm | MF5-SSA4-HT-S16-6.3 x 135 | MF3-SS-HT-A15-5.5 x 130 | DF3-HT-A15-5.5 x 130 |
| 120mm | MF5-SSA4-HT-S16-6.3 x 155 | MF3-SS-HT-A15-5.5 x 150 | DF3-HT-A15-5.5 x 150 |
| 135mm | MF5-SSA4-HT-S16-6.3 x 185 | MF3-SS-HT-A15-5.5 x 180 | DF3-HT-A15-5.5 x 180 |

For fixing panels back to timber, please contact Fixfast Customer Service team on **+44 (0) 1732 882387**

## Fixing TATA Trisomet to hot-rolled steel - roof application

**Fixing Trisomet: Primary fixing - roof application to hot rolled steel**

Use MatchFast® fasteners.

11mm bi-hex head, use Fixfast MF1165

| Panel Thickness | Fastener Code 316/A4 Stainless Steel | Fastener Code 304/A2 Stainless Steel | Fastener Code Carbon |
|---|---|---|---|
| 40mm | MF15-SSA4-HT-S19-6.3 x 105 | MF12-SS-HT-A19-5.5 x 95 | MF12-HT-A19-5.5 x 85 |
| 60mm | MF15-SSA4-HT-S19-6.3 x 130 | MF12-SS-HT-A19-5.5 x 115 | MF12-HT-A19-5.5 x 105 |
| 80mm | MF15-SSA4-HT-S19-6.3 x 130 | MF12-SS-HT-A19-5.5 x 150 | MF12-HT-A19-5.5 x 125 |
| 100mm | MF15-SSA4-HT-S19-6.3 x 150 | MF12-SS-HT-A19-5.5 x 150 | MF12-HT-A19-5.5 x 145 |
| 120mm | MF15-SSA4-HT-S19-6.3 x 200 | MF12-SS-HT-A19-5.5 x 200 | MF12-HT-A19-5.5 x 165 |
| 135mm | MF15-SSA4-HT-S19-6.3 x 200 | MF12-SS-HT-A19-5.5 x 200 | MF12-HT-A19-5.5 x 185 |

## Fixing TATA Trisomet to hot-rolled steel - wall application

**Fixing Trisomet: Primary fixing - wall application to hot rolled steel**

Use MatchFast® fasteners.

11mm bi-hex, use Fixfast MF1165

| Panel Thickness | Fastener Code 316/A4 Stainless | Fastener Code 304/A2 Stainless | Fastener Code Carbon |
|---|---|---|---|
| 40mm | MF15-SSA4-HT-S16-6.3 x 105 | MF12-SS-HT-A15-5.5 x 95 | MF12-HT-A15-5.5 x 85 |
| 60mm | MF15-SSA4-HT-S16-6.3 x 130 | MF12-SS-HT-A15-5.5 x 115 | MF12-HT-A15-5.5 x 105 |
| 80mm | MF15-SSA4-HT-S16-6.3 x 130 | MF12-SS-HT-A15-5.5 x 150 | MF12-HT-A15-5.5 x 125 |
| 100mm | MF15-SSA4-HT-S16-6.3 x 150 | MF12-SS-HT-A15-5.5 x 150 | MF12-HT-A15-5.5 x 145 |
| 120mm | MF15-SSA4-HT-S16-6.3 x 200 | MF12-SS-HT-A15-5.5 x 200 | MF12-HT-A15-5.5 x 165 |
| 135mm | MF15-SSA4-HT-S16-6.3 x 200 | MF12-SS-HT-A15-5.5 x 200 | MF12-HT-A15-5.5 x 185 |

## TATA Trisomet side lap stitcher

**Fixing Trisomet: side lap stitcher**

Use MatchFast® stitching fastener with bonded washer

11mm bi-hex head, use Fixfast MF1165

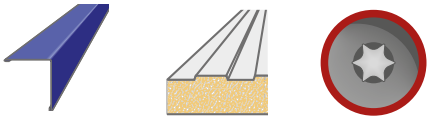
| Fastener Code 316/A4 Stainless Steel | Fastener Code 304/A2 Stainless Steel | Fastener Code Carbon |
|---|---|---|
| MF2-SSA4-S15-6.3 x 25 + colour | MF2-SS-A15-6.3 x 25 + colour | MF2-A15-6.3 x 25 + colour |

## TATA Trisomet flashing stitcher

**Fixing Trisomet: Metal flashings to panel**

Use DrillFast® Lacquered stitching fastener with bonded washer.

Pan TX25 head, use Fixfast RedDrive



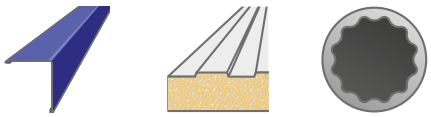
| Fastener Code 316/A4 Stainless | Fastener Code Carbon |
|---|---|
| DF2-SSA4-PL-S15-6.3 x 25 + colour | DF3-DPL-A15-6.3 x 25 + colour |

## TATA Trisomet flashing stitcher

**Fixing Trisomet: Metal flashings to panel**

Use MatchFast® stitching fastener with bonded washer

11mm bi-hex head, use Fixfast MF1165



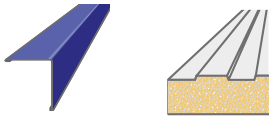
| Fastener Code 316/A4 Stainless Steel | Fastener Code 304/A2 Stainless Steel | Fastener Code Carbon |
|---|---|---|
| MF2-SSA4-S15-6.3 x 25 + colour | MF2-SS-A15-6.3 x 25 + colour | MF2-A15-6.3 x 25 + colour |

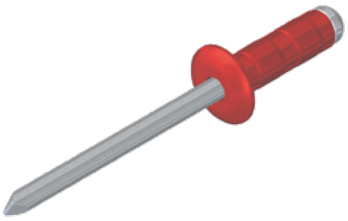
## TATA Trisomet flashing rivet - stainless steel

**Fixing Trisomet: Metal flashings to panel**

Use stainless steel lacquered rivet

Use powered riveting tool





| Fastener Code 304/A2 Stainless Steel | Fastener Code Aluminium |
|---|---|
| R-SS-LAC-4.8 x 15 + colour | R-AC-LAC-4.8 x 15 + colour |

## TATA Trisomet Sealants

**Sealant for end and side laps**

Use A Class butyl strip sealant

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

## TATA Trisomet Sealants

**Sealant for end laps in vertical wall applications.**

Use A Class butyl strip sealant.

| Sealant Code | Thickness x width (mm) | Roll length (mm) |
|---|---|---|
| A-4 dia x 12 | 4 diameter | 12 |

## TATA Trisomet Sealants

### Sealant for side laps

Use A Class butyl strip sealant.

| Sealant Code | Thickness x width (mm) | Roll length (mm) |
|---|---|---|
| A-4 dia x 12 | 4 diameter | 12 |

## TATA Trisomet Sealants

### Bedding sealant for filler blocks at ridges and hips

Use Seelex BR gun grade butyl rubber bedding sealant

| Sealant Code | Cartridge size (ml) | Colour |
|---|---|---|
| SEELEX-BR | 380 | grey or white |

## TATA Trisomet Sealants

**Gun grade sealant for end laps in horizontal wall applications.**

Use Seelex LM

| Sealant Code | Cartridge size (ml) | Colour |
|---|---|---|
| SEELEX-LM | 310 | Various |

## TATA Trisomet Sealants

**Use Firefoam B1.**

| Sealant Code | Cartridge size (ml) | Fitting |
|---|---|---|
| FIREFOAM-B1-GUN | 750 | Screwtop |
| FIREFOAM-B1-HAND | 750 | Manual |

## TATA Trisomet Filler Blocks

**EPDM foam filler blocks for ridges and hips.**
**Use EPDM foam fillers.**

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

| Filler Code |
| --- |
| E-25 TATA Trisomet |

## Accessories

### MF1165 Drive

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

**Product Code:** MF1165

### RedDrive

One-piece drive socket for DrillFast® low profile fasteners, supports the head for easy accurate driving.

**Product Code:** REDDRIVE

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.

## 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 **+(44) 1732 822 387**
+ 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.

All our technical data can be found on our website against the individual products - including certifications, performance values, and other relevant technical data.

FIXFAST

## Contact Details:

**T:** +44 (0) 1732 882387
**E:** sales@fixfast.com
**W:** fixfast.com

©Fixfast | **February 2025** | **Ref:** SG-S-ST-12.23/01