

## Ductwork Components

# VerroMax Ductwork Jointing System

## Slide on Flange Details & Specifications

- Provides for rapid assembly of cross joints, minimising fabrication time.
- Permanently flexible non-toxic sealant injected into the profile during manufacture, will not harden and crack post installation.
- Available in standard metric sizes of 20mm, 30mm and 40mm.
- Fully conforms to UK, HVCA specification DW144.
- Awarded Quality Assurance Certification BS EN ISO 9001.
- Full range of accessories to suit all sizes of flange.
- Tested and certified by BSRIA in accordance with the B&ES (formally HVCA) test procedures DW/TM1.
- Suitable for B&ES specification DW/144 for Joint Ratings up to J5 and pressure classes A, B and C.
- Z275 gram coating to steel giving anti-corrosion benefits.
- Choice of material types and gauges, available in Stainless Steel & Aluminium or request.



## Design Specification

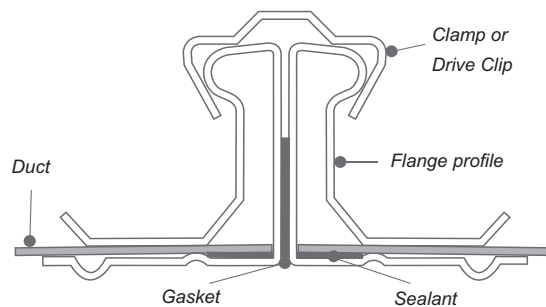
During the manufacturing process airtightness is ensured by the inclusion of a non-toxic sealant.

All rectangular ductwork cross joints shall be the VerroMax slide on flange type complete with integral permanently flexible non toxic sealant, consisting of a Galvanised MS profile and EZP corner pieces. The appropriate size of flange shall be fitted to the ductwork as covered by the construction tables 2 to 4 of specification DW144.

Shall be independently tested to the procedures of BSRIA in accordance with HVCA specification DW/TM1 and as manufactured by Doby Verrolec. The flanges shall be fitted to

the ductwork and assembled on site with the appropriate gasket all to the manufacturers instructions.

## VerroMax Profile - Cross Section



### DW/TM1 Test Results

Profile	Joint Rating	Pressure Class		
		A	B	C
VM20	J2	✓	✓	✓
VM30	J3	✓	✓	✓
VM30	J4	✓	✓	✓
VM30 <sup>(1)</sup>	J5	✓	✓	✓
VM40 <sup>(1)</sup>	J5	✓	✓	✓

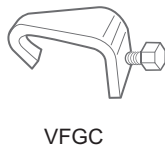
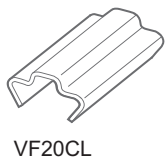
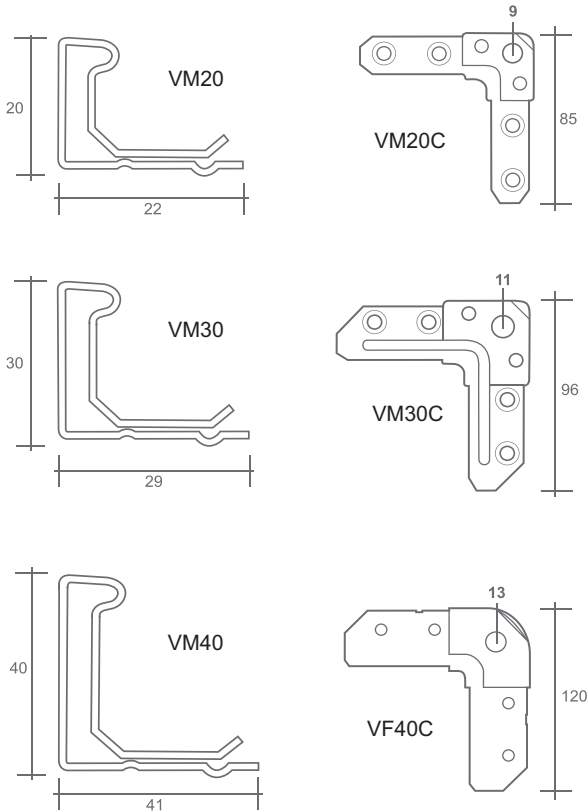
#### Notes:

VM20, VM30 and VM40 for TM1 test results refer to 120.2 and 130.3, as tested by BSRIA in accordance with HVCA specification DW/TM1 test procedures.

(1) When used with central Tie Bar as tested by BSRIA in accordance with HVCA specification DW/TM1 test procedures.



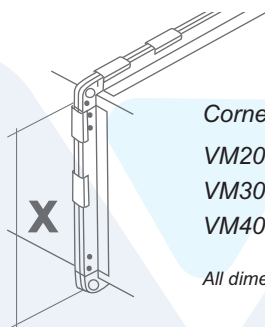
## Product Details & Specifications



## Ductseal Gasket

A cross linked Medium Density P.V.C. closed cell foam combined with a high grab sensitive adhesive to give good all round sealing properties. Temperature range  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ . We recommend the use of the appropriate gasket to ensure performance in accordance with our DW/TM1 test results, where application allows. Supplied in green for easy identification.

## Corner Hole Centering



### Corner Holes Centres (X)

- VM20 Ductsize plus 20 nom
- VM30 Ductsize plus 32 nom
- VM40 Ductsize plus 30 nom

All dimensions are in millimetres

## Flange Profiles

	gauge(mm)	weight(kg)
VM20	0.7	0.47/m
VM30	0.8	0.73/m
VM40	1.0	1.11/m

Steel Grade and coating BS EN 10346:2015 DX51D +Z275 MAC.

Integral Sealant, Evode Glasticon 126 Solvent Free permanently non-setting mastic.

## Corner Pieces

	gauge(mm)	weight(kg)
VM20C	2.0	12.6/250
VM30C	3.0	14.9/150
VF40C	5.0	13.7/50

Steel Grade EN 10111:1998-DD11 Pickled & Oiled Finish - Zinc and clear passivate to BS EN 12329-Fe/Zn5/A.

## Clip & Clamp

	gauge(mm)	weight(kg)
VF20CL	1.2	6.58/200
VFGC	3.0	16.2/300

Steel Grade EN 10142:2000 Coating Specification EN 10142 DX51D +Z275-M-A-C. Pickled & Oiled Finish - Zinc and clear passivate.

## Packing details

### Profiles

VM20	500m Bundle
VM30	500m Bundle
VM40	250m Bundle
5000mm standard length, 3000mm to order.	

### Corner Pieces

VM20C	Boxes of 250
VM30C	Boxes of 150
VF40C	Boxes of 50

### Clip

VF20CL	Boxes of 200
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### Clamp

VFGC	Boxes of 300
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### Gasket

570	Carton of 825m (55 rolls)
571	Carton of 600m (40 rolls)
572	Carton of 480m (32 rolls)
572A	Carton of 300m (20 rolls)

### Corner Nuts and Set Screws

DS160 - DS163	in boxes of 250
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