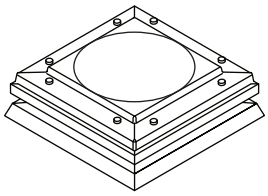
# Mardome Smoke Vent

# TB286

## Smoke Vent Dome on builders upstand

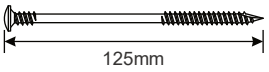
**Contents** | ! Take care when unpacking | Check all correct parts are included and undamaged | Only use fixings supplied

Smoke Vent



Washers

Kerb Fastener




! **This Smoke Ventilator has been tested and approved as per EN12101-2. Any unapproved modification to the product will invalidate the CE certificate.**

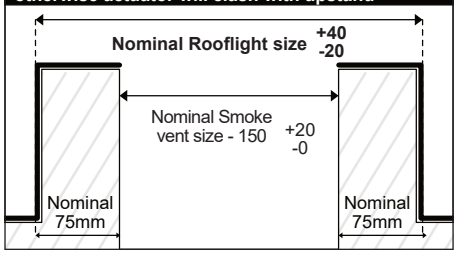
**Fixing Quantities**

| Length of Nominal Smoke Vent Side (mm) | Number of fixings per side | |
|---|---|---|
| | Front/Back | Left/Right |
| 1050, 1200 | 5 | 3 |
| 1350, 1500, 1650 | 7 | 4 |
| 1800 | 7 | 5 |

! **All Health & Safety Regulations must be followed on site throughout the installation process**

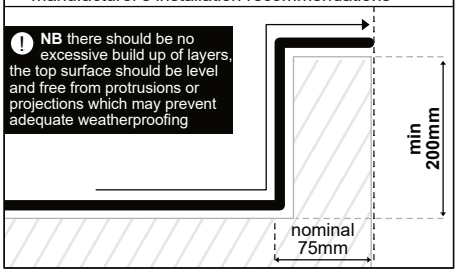
ⓘ **Finished weathered upstand dimensions**

**Insulated upstand must be within tolerance stated otherwise actuator will clash with upstand**

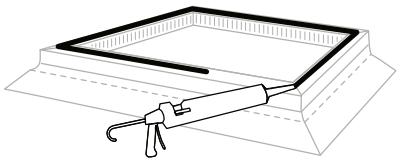



**1** Install roof covering to cover **side and top** of insulated upstand in accordance with manufacturer's installation recommendations

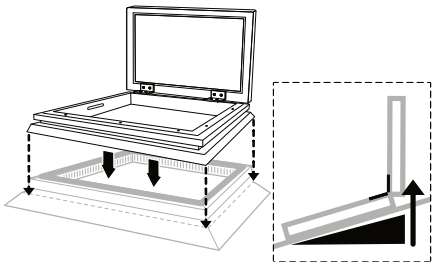
! **NB** there should be no excessive build up of layers, the top surface should be level and free from protrusions or projections which may prevent adequate weatherproofing



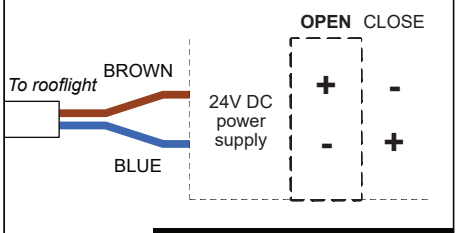

**2** Mastic/Silicone around top inside edge of upstand



**3** Facing hinges upslope, place kerb squarely onto upstand

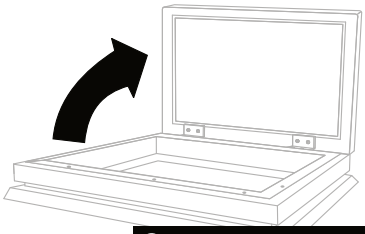


**4** To open, connect the brown (to +ve) and the blue (to -ve) to a 24V DC supply



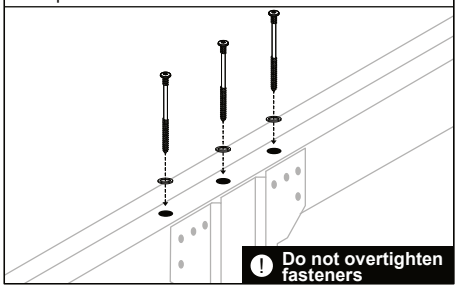

! **Only use 24V power (NOT 18V) to avoid damaging unit**

**5** Open hinged frame



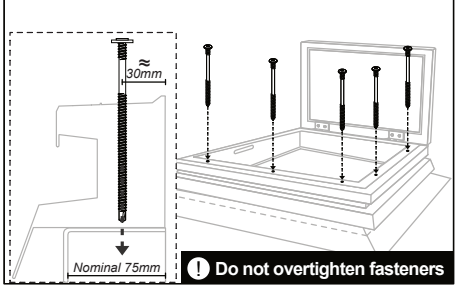
! **Ensure kerb is supported when open to avoid damage**

**6** Fix 125mm kerb fasteners and washers through 6x pre-drilled holes in front and back



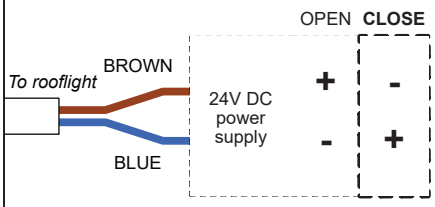
! **Do not overtighten fasteners**

**7** Fix to upstand using 125mm kerb fasteners




! **Do not overtighten fasteners**

**8** Close smoke vent by reversing wires to power supply




! **Frame will not fully close if cable is protruding**

**9**

If wind deflectors are to be fitted, follow steps **2 to 5** on **page 4** before connecting electrics.

**10** Connect electrics (see Wiring Instructions and Control System, page 3)

**This should only be completed by a suitably qualified electrician**

ⓘ **TECHNICAL SUPPORT:** For any technical information/queries please contact your supplier.
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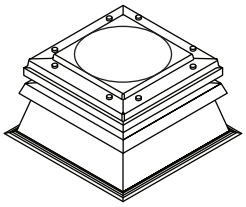
# Mardome Smoke Vent

# TB286

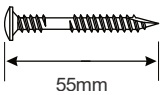
## Smoke Vent Dome on PVC kerb

**Contents** | ! Take care when unpacking | Check all correct parts are included and undamaged | Only use fixings supplied

Smoke Vent on PVC kerb



Kerb Fastener



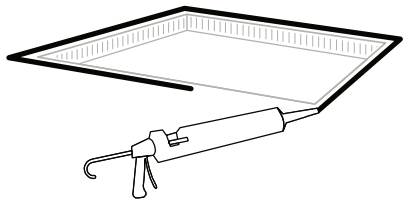

! **This Smoke Ventilator has been tested and approved as per EN12101-2. Any unapproved modification to the product will invalidate the CE certificate.**

**Fixing Quantities**

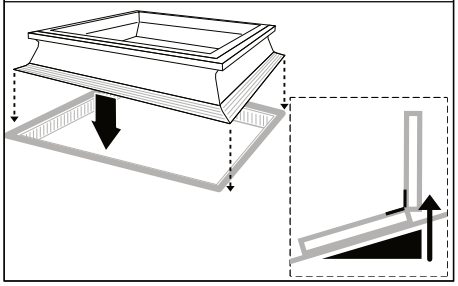
| Length of Nominal Smoke Vent Side (mm) | Number of fixings per side | |
|---|---|---|
| | Front/Back | Left/Right |
| 1050, 1200 | 5 | 3 |
| 1350, 1500, 1650 | 7 | 4 |
| 1800 | 7 | 5 |

! **All Health & Safety Regulations must be followed on site throughout the installation process**

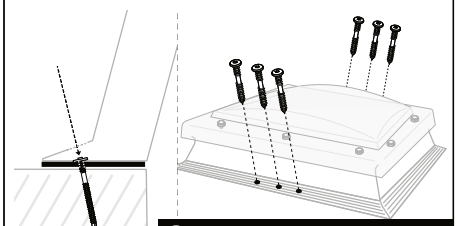
**1** Mastic/Silicone around the edge of the roof opening



**2** Facing hinges upslope, place kerb squarely over roof opening

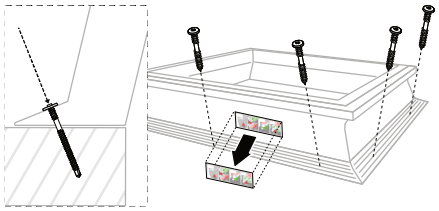


**3** Insert 55mm kerb fasteners through 6x pre-drilled holes. The screw heads must push against the metal plate under the foot of the kerb



! **Do not overtighten fasteners**

**4** Fix kerb to roof using 55mm kerb fasteners **Remove and retain label**



! **See fixing quantities table**

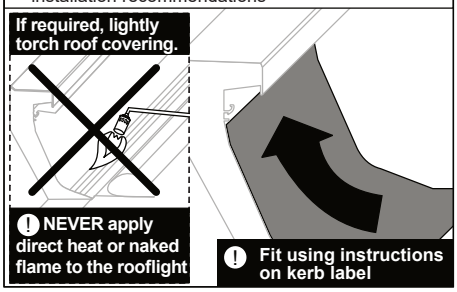
! **Do not overtighten fasteners**

**5**

If wind deflectors are to be fitted, follow steps **1** to **5** on **page 4** before roof covering installation

**6** Install roof covering according to manufacturer's installation recommendations

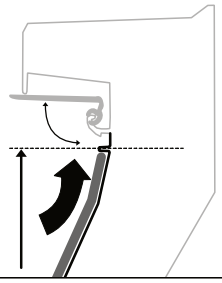
**If required, lightly torch roof covering.**



! **NEVER apply direct heat or naked flame to the rooflight**

! **Fit using instructions on kerb label**

**7** Terminate roof covering in accordance with instructions on retained kerb label



**8**

If wind deflectors have been fitted, follow step **7** on **page 4** before connecting electrics

**9** Connect electrics (see Wiring Instructions and Control System, page 3)

**This should only be completed by a suitably qualified electrician**

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**Mardome**
Smoke Vent

# TB286

Smoke Vent Dome
wiring instructions and control system

## Please retain this document for electrician

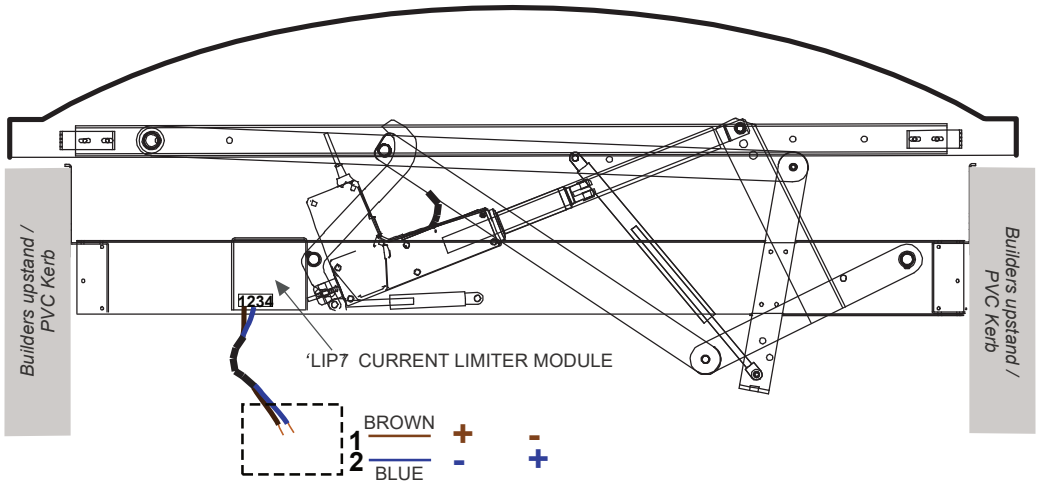
**Please note that all wiring and commissioning must be undertaken by a suitably trained and qualified person. The installer must ensure that all wiring runs, cable thickness and earthing etc. meet current regulations.**

**Fire resistant cables according to IEC 60331 must be used for the following functions - Opening system with 24V actuators, Fire Switch, Fireman's Priority Switch and Smoke Detector.**

**All Health & Safety Regulations must be followed on site throughout the installation process**

### Powered Opening (24V DC only) - **without control system**

**Only use 24V power (NOT 18V) to avoid damaging unit**




### Powered Opening (24V DC only) - **with control system (24V-5A or 24V-8A)**

**Technical Specifications**

Power supply
230V AC/max. 1.2A

Output supply
24-28 VDC

Motor outputs
1 pcs.
(line detection: 1-4 lines)

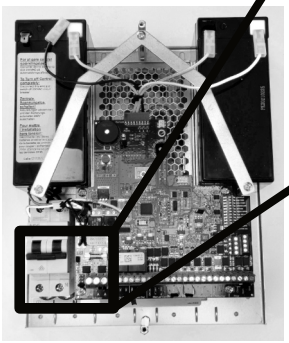
Max. Load
5A OR 8A

Operation temperature
-15°C to +40°C

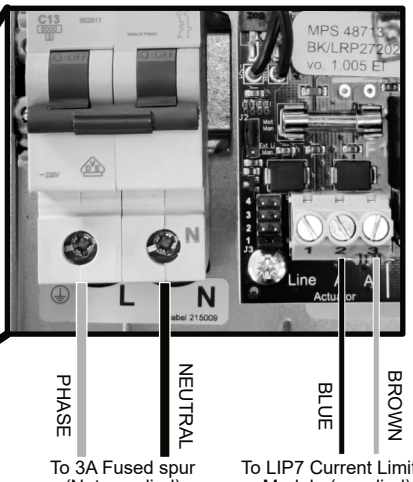
Density
IP 54

Battery back-up
72 hours

SVM 24V-5A/8A CONTROL PANEL



SVM 24V-5A/8A CONTROL PANEL (INSIDE)




**For further details, refer to the Control Panel User Manual (supplied)**

**Control Panel connection instructions page references**

Connection of Fire Switch *Page 8*

Connection of Smoke Detector *Page 9*

Connection of Fireman's Priority switch *Page 9 & 16*

Full connection diagram *Page 10 & 11*

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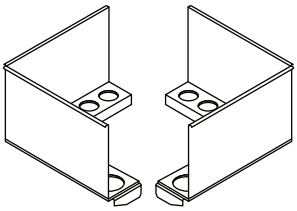
**Mardome**
Smoke Vent

# TB286

## Smoke Vent Dome
## Aerodynamic Wind Deflectors

**Contents** | ! Take care when unpacking | Check all correct parts are included and undamaged | Only use fixings supplied

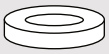
Wind Deflectors



Fastener

BUILDERS UPSTAND ONLY

Rubber Washer



Lock Nut

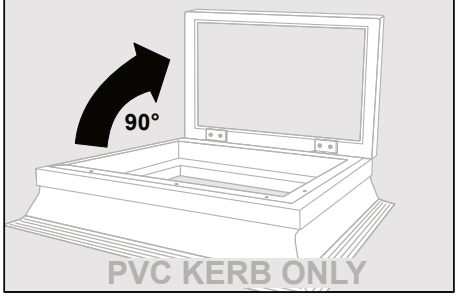
Plain Washer

Stainless Steel Bolt

PVC KERB ONLY

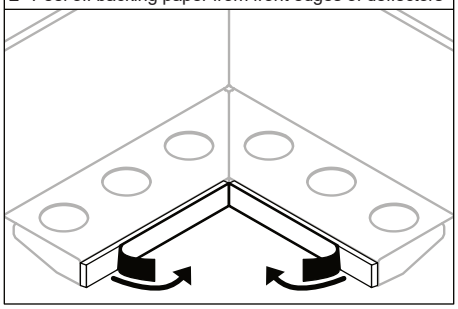
! **All Health & Safety Regulations must be followed on site throughout the installation process**

**1** Open smoke vent to at least 90°

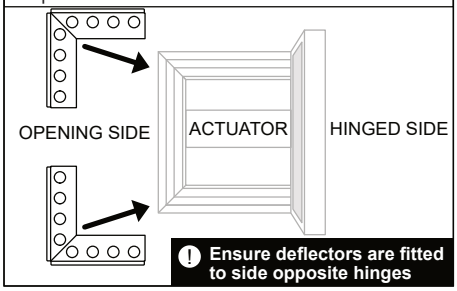



PVC KERB ONLY

**2** Peel off backing paper from front edges of deflectors



**3** Carefully align wind deflector with each corner of upstand

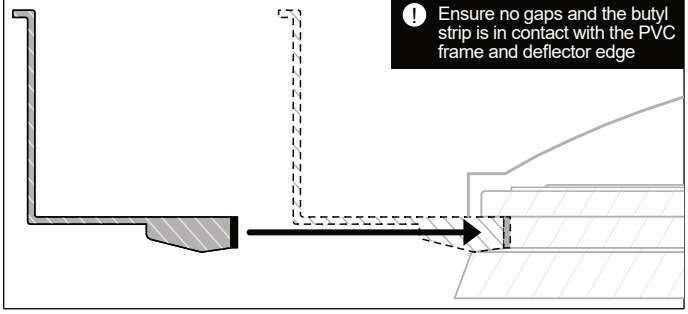



! **Ensure deflectors are fitted to side opposite hinges**

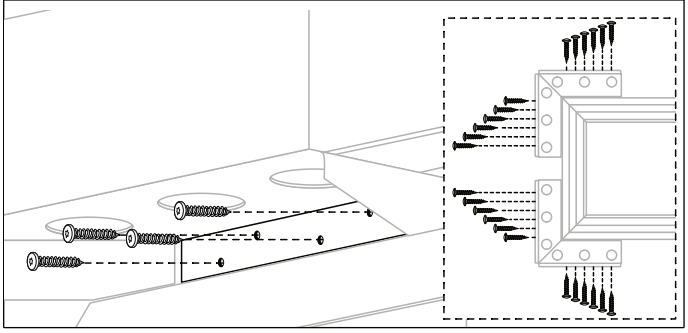
## BUILERS UPSTAND ONLY

**4** Push deflector until firm contact is made with PVC frame

! Ensure no gaps and the butyl strip is in contact with the PVC frame and deflector edge



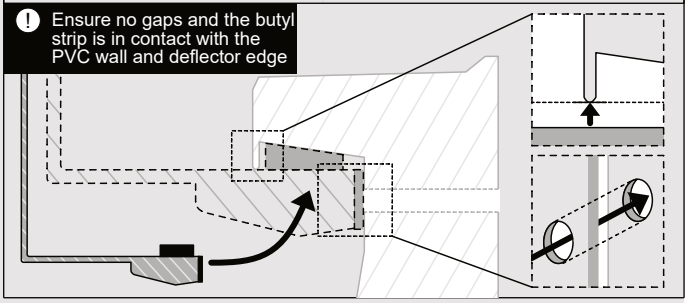
**5** Fix wind deflectors to PVC frame using supplied 26mm self-drilling fasteners



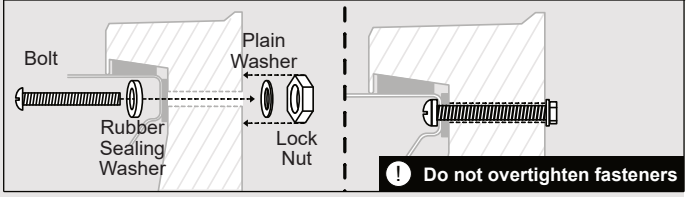
## PVC KERB ONLY

**4** Push deflector until firm contact is made with upstand and expanding foam tape is compressed behind drip edge

! Ensure no gaps and the butyl strip is in contact with the PVC wall and deflector edge



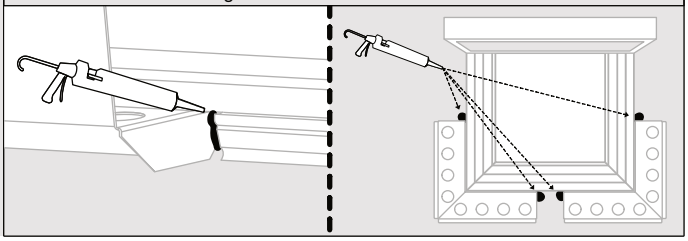
**5** Fix wind deflectors to PVC upstand using supplied fixings




! **Do not overtighten fasteners**

**6** Follow steps **6** and **7** on **page 2** to install roof covering

**7** Using silicone, seal all joints between wind deflector and roof covering clamp/ cover trim before closing smoke vent



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