

# Product Data Sheet

## ECOFLEX SINGLE PLY WATERPROOFING ACCESSORIES

Engineered to provide unrivalled environmental performance, ECOFLEX is a lightweight, flexible PVC-p single-ply synthetic membrane that has been specifically designed for widespread use on all roofing projects including domestic, commercial and industrial structures.

ECOFLEX systems provide excellent performance characteristics such as strength and flexibility and are fully reinforced. They are available with or without a fleece back (ADH material).

ECOFLEX waterproofing membranes can be installed either mechanically fixed (FM) or adhered (ADH) as part of a warm roof installation. The ECOFLEX system is complemented by a full range of vapour control layers and accessories to ensure a total design and installed solution is achieved.

Below are details of the principal accessories in the ECOFLEX PVC range. Further details are available from Axter Ltd.

## PVC Corners

Pre-fabricated PVC internal and external corners make the installation of Ecoflex PVC membranes and quicker in corners and near edges of roofs. They provide excellent waterproofing as well as a good aesthetic result. Axter offers external and internal corners shown below:

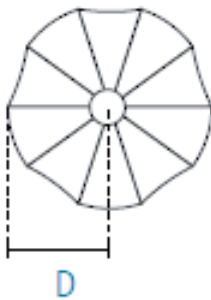
**Packaging:** Box of 20

**Colour:** Dark Grey

### PVC External L110



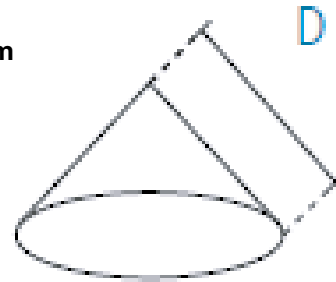
D=110mm



### PVC Internal L110



D=113mm



## ECO-R polyester reinforced PVC cover strip (Ecoflex FM PVC membrane cut to size required)

**Thickness:** 1.5mm

**Roll size:** 0.2 x 20m

**Installation method:** fully bonded using standard welding techniques

See Axter Ecoflex FM Technical Datasheet for further product details.

## ECO-D non-reinforced PVC membrane used to form on site details

**Thickness:** 1.5mm

**Roll size:** 0.32 x 20m

**Colour:** dark grey

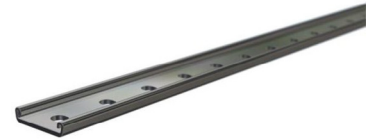
**Installation method:** fully bonded using standard welding techniques

See Axter Eco-D Technical Datasheet for further details.

## Restraint Bar & PVC cord

### Restraint Bar – Galvanised steel channel bar

<b>Profile:</b>	30mm wide x 1.6mm thick x 6.3mm leg height
<b>Hole size:</b>	6.5mm
<b>Fastener centres:</b>	25mm
<b>Length:</b>	1.95m



Designed for termination of membrane at parapet walls and penetrations. Also for peel stop details on bonded membrane systems and an alternative to load spreading pressure plates in a mechanically fixed roof system.

Pre-punched holes accept most fasteners.

### PVC cord

<b>Size:</b>	200m x 4mm
<b>Installation method:</b>	heat welded with a speed nozzle

Used to secure the membrane near the restraint bar. It provides excellent resilience to deterioration caused by the sun, ozone and other weather agents or chemicals normally found in the atmosphere. The elasticity of the material allows for excellent flexibility even at low temperatures, ensuring mechanical and physical properties are maintained over time.

100% compatible with PVC prefabricated synthetic membranes. The cord and PVC membrane should be thoroughly cleaned before application.



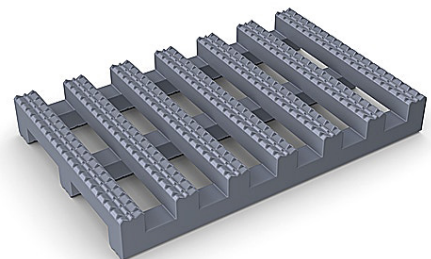
### E-STEP walkway mat

**Non-slip mat to provide safe access for flat roof maintenance services and to designate frequently accessed areas**

Open grid duckboard design with cross directional top ribs; maintenance free, provides permanent slip resistance.

<b>Colour:</b>	dark grey
<b>Thickness:</b>	14mm
<b>Roll size:</b>	10m x 0.6m, 10m x 0.91m, 10m x 1.22m

**Installation method:** available in rolls for ease of installation; easy to cut and shape on site. Loose laid, spot welding may be required in exposed high wind locations.



See Axter E-Step Product Data Sheet for further details.

## E-STEP walkway membrane

**Part of the Ecoflex waterproofing systems, this membrane is used as a walkway on inaccessible flat roofs and to designate access areas for rooftop maintenance services.**

Polyester-reinforced PVC membrane resistant to UV rays.

<b>Colour:</b>	green
<b>Thickness:</b>	1.5mm
<b>Roll size:</b>	20m x 1m
<b>Installation method:</b>	hot air welded

See Axter E-Step Walkway Membrane Data Sheet for further details.

## PVC Coated Metal Sheet

**Pre-fabricated PVC coated galvanized steel sheet used for flashings or profiles**

PVC coated metal sheet is used to make flashings and profiles to the required size to complete the Ecoflex/Ecoline PVC waterproofing system. It is resistant to weathering.

<b>Sheet size:</b>	2m x 1m
<b>Thickness:</b>	total thickness 1.8mm (metal sheet 0.6mm + PVC membrane 1.2mm)
<b>Weight:</b>	6 kg/m <sup>2</sup>
<b>Colour:</b>	dark grey or light grey
<b>Application method:</b>	the Ecoflex PVC membrane is welded with a hot air gun over the length of the metal sheet.  the PVC coated metal sheet is mechanically fixed with Ecoflex fixings.

## E-Profile - PVC Standing Seam Profile

**Triangular PVC profile to complement the Ecoflex PVC waterproofing system and designed to simulate the typical ribbing of a metal sheet profile used on a roof.**

<b>Colour:</b>	dark grey
<b>Size:</b>	200m x 4mm
<b>Dimensions:</b>	total width of foot of standing seam - 35 mm width of base of triangular profile - 17mm height of triangular profile - 28mm
<b>Packaging:</b>	10 x 2 lin.m / box
<b>Application method:</b>	fully bonded using standard welding techniques.



The PVC standing seam profile provides excellent resilience to deterioration caused by the sun, ozone and other weather agents or chemicals normally found in the atmosphere. The elasticity of the material allows for excellent flexibility even at low temperatures, ensuring mechanical and physical properties are maintained over time.

100% compatible with PVC prefabricated synthetic membranes.

## Lightning Conductor Clips

### High quality polymer clips to accommodate a lightning conductor strip 25mm wide by 5mm thick

Axter lightning conductor clips provide excellent resilience and repellent characteristics, keeping them from fading and going brittle in sunlight. They are simple to install and are supplied as a one-piece unit. The fixing rivet is recessed into the underside of the clip to avoid damaging the membrane.

A PVC flange enables the clip to be secured to the membrane.

**Size of flange:** 100mm x 100mm

**Colour:** dark grey



## Rainwater Outlets and Leaf Guards

Axter offers a range of Ecoflex PVC compatible high quality rainwater and parapet outlets and leaf guards designed for new build and refurbishment projects.

### Rainwater outlets

Outlets are manufactured from 0.7mm stainless steel with a factory bonded flange (350mm square PVC membrane) providing an excellent bonding area.

**Available outlet diameters:** 40 – 160 mm

**Attachment:** mechanically fixed and fully bonded using standard welding techniques.

Outlet compatible leaf guards include an adjustable clamp to suit pipe diameter.



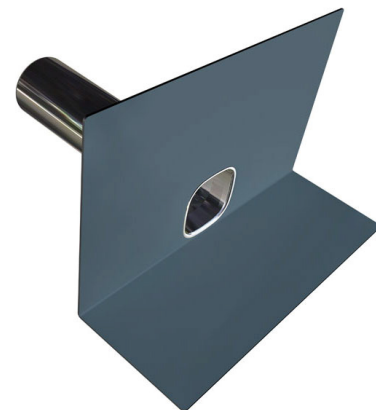
### Parapet outlets

**Available outlet diameters:** 50, 75, 110mm

**Attachment:** mechanically fixed and fully bonded using standard welding techniques.

Outlet compatible leaf guards with adjustable clamp to suit pipe diameter.

See Axter Outlets and Leaf Guard Product Data Sheet for further details.



## MTP / C Fixings

### High performance membrane fixings for all substrate decks

**Dimensions:** 5.8mm diameter for metal, timber, plywood and OSB decks

**Length** 300mm maximum  
6.1mm diameter for concrete decks

**Length** 300mm maximum

Ecoflex tubular washers available to suit system depth and fixing type.

See Axter Washer and Fixing Selection Guide for further details.

## Adhesives for Ecoflex PVC waterproofing membranes

### FM/D Contact Adhesive for bonding Ecoflex FM and ECO-D PVC membranes

**Packaging:** 5 litre / 20 litre tin

**Coverage:** 3 m<sup>2</sup> / litre or 15m<sup>2</sup> / 5 litre

### ADH Adhesive for bonding Ecoflex ADH (fleece-backed) PVC membranes

**Packaging:** 20 litre (22kg) poly bottle

**Coverage:** 5 m<sup>2</sup> / kg, 110m<sup>2</sup> / 20 litres (22kg)

See Axter FM/D Contact Adhesive and ADH Adhesive Product Data Sheets and Material Safety Data Sheets for further details.

## PVC Membrane Cleaner

Multi-purpose cleaner product compatible with PVC and other types of membrane. It effectively removes dirt and other contaminants from the PVC membranes to ensure a secure bond/weld. It is based on a mild solvent which loosens dirt and is easily cloth-applied due to its low viscosity.

**Packaging:** 5 litre screw-top tin with handle for simple pouring

See Axter PVC Membrane Cleaner and ADH Adhesive Product Data Sheet and Material Safety Data Sheet for further details.

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