

# Raintite Coated Metal Product & Membrane Specifications

**Raintite**  
Our name is our bond

 A modified PVC based product, specifically designed for roofing & rainwater products

Conventional PVC roofing technology requires the use of low molecular weight liquid plastisol polymers applied to lightweight fabrics to create a flexible membrane. Over time, UV, heat and environmental contaminants draw the plastisol (plasticizer) to the surface of the membrane where it's washed away by wind and rain. This plasticizer migration reduces flexibility and leaves the membrane susceptible to damage from thermal shock, hail impact and foot traffic. Additional effects of plasticizer migration on the in situ aging process can make the membrane difficult to repair, and subsequently impossible to maintain.

Raintite Coated metal is engineered using an alternate technology whereby a Plasticizer Free PVC, (non-Plasticised Polyvinyl Chloride) is used. This unique development vastly reduces the ageing process and the subsequent potential modes of failure.

This coating technology is then thermally bonded to hot dip galvanized steel with 4 added protective layers of epoxy polyester paint. The result is a high performance membrane coated steel product that remains flexible and ideally suited for roofing and guttering applications.

## Product specification

1	Widths	1000mm, 1250mm & 1475mm (Alternative widths by agreement)
2	Steel substrates	0.6m, 1.2m & 1.5m (Alternative thicknesses by agreement)
3	Mechanical properties, suitable for cold forming with any standard production method:- shearing, press brake and folding (with gauge compensation)	Hit dipped Galvanized to BSen 10346 : 2009 DX51d G275 & AZ150 Tolerance to BSen 10143 : 2006
4	Adhesion	100% flat cross hatch & Erickson, cut cross hatch (with tape)
5	Corrosion resistance	Minimum 1000hrs humidity & salt spray (tested to 3000hrs)
6	Hot air welding temperature (no requirement for sealants or cleaning agents)	up to 410 Deg C (Dependant upon ambient temperature)
7	Chemical Bonding	Can be chemically bonded please contact us to discuss the application in detail
8	Cold forming	10 deg C minimum

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## Membrane specification

1	Thickness	1,2mm +/- 0,25mm minimum (Alternative thicknesses by agreement)
2	Standard widths (Alternative widths by agreement)	1000mm, 1250mm / 1475mm +/- 5mm
3	Surface	Unique Textured anti slip emboss Dry valve 46. Wet valve 34.
4	Colour (Alternative colour subject to minimum order quantities)	Dark grey (alternatives by agreement) RAL 7012
5	Flexibility in low temperatures. Insensitivity to hot-cold cycles	Excellent
6	Resistance to weathering and ultraviolet rays	Excellent
7	Fire precautions	Self extinguishing and does not present Fire hazard when in storage, transit or use Class 0 spread of flame
8	Heat Welding	Fumes are given off whilst welding but do not present a problem in a normal roof situation. Extraction is required for enclosed / confined areas
9	Composition	Non reinforced film manufactured from modified PVC

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For more information on our products  
or to discuss your specific requirements  
call 01291 423 252 email [info@raintite.co.uk](mailto:info@raintite.co.uk)  
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