

## P R O D U C T D A T A S H E E T

## DIMENSIONS

Ruviplan FG		
Thickness	1.5mm	1.8mm
Weight	1.9k/m <sup>2</sup>	2.32k/m <sup>2</sup>
Roll Dimensions (m)		
1.62m x 15m	2.05m x 15m	

Note: Other dimensions and thicknesses are available depending on order quantity.

## COLOUR

**Ruviplan FG** is available in light and dark grey colour. Closest RAL to dark grey is RAL 7015 and closest RAL to light grey is RAL 7035. Colours variation may occur between batches

## TENSILE STRENGTH

**Ruviplan FG** membranes have exceptional tensile strength and are designed to be resistant to wind uplift forces as well as thermal and structural movement. buildings.

Ruviplan FG - Tensile Strength		
Test method	ISO EN 12311-2	
Tensile Strength N/50mm not less than	length	1000
	cross-ways	1000



## RUVITEX UK LTD

Merton House  
38 Merton Way  
West Molesey  
Surrey KT8 1PQ

Phone: +44 (0) 208 941 4298  
Mobile: +44 (0) 7939 353595  
Fax: +44 (0) 872 115 3075  
E-mail: info@ruvitex.co.uk  
Web: www.ruvitex.co.uk

**Ruviplan FG** is the principal waterproofing material for exposed roof applications known as 'Mechanically Attached Systems'. Ruvitex mechanically attached systems are ideal for new and renovation of, flat, pitched and curved roof configurations.



## Material

**Ruviplan FG** membranes are manufactured from pliable PVC with a reinforcement of woven polyester. The PVC contains stabilisers that makes the membrane resistant to high and low temperatures, UV-resistant and self extinguishing in the event of fire.

## Resistance to wind forces

**Ruviplan FG** has exceptional tensile and tear strength and is designed to resist the forces of wind and weather during many years of service. During the manufacturing process, the PVC and polyester reinforcement are fused together to produce one homogenous sheet.

## Low temperature flexibility

**Ruviplan FG** is manufactured to withstand the low temperatures during winter. The membrane remains flexible during installation and when in use without fracturing. **Ruviplan FG** remains flexible at  $-25^{\circ}$  C.

**TEAR STRENGTH**

The tear strength of **Ruviplan FG** is designed to complement the type and capacity of the mechanical fastening combinations.

Ruviplan FG - Tear Strength		
Test method	ISO EN 12310-2	
No less than	Length	200N
	Crossways	200N

**COLD RESISTANCE**

**Ruviplan FG** contains stabilisers which ensure that the membrane is resistant to low and high temperatures.

Ruviplan FG - Cold Resistance	
Test method	ISO EN 495-5
Cold Resistance	Down to -25°C

**FIRE RESISTANCE**

Ruviplan FG - Fire Resistance	
Test method	ISO EN 13501-1
Fire resistance	Class E

**RUVITEX UK LTD**

Merton House  
38 Merton Way  
West Molesey  
Surrey KT8 1PQ  
Phone: +44 (0) 208 941 4298  
Mobile: +44 (0) 7939 353595  
Fax: +44 (0) 872 115 3075  
E-mail: info@ruvitex.co.uk  
Web: www.ruvitex.co.uk

**Water vapour permeability**

**Ruviplan FG** membranes are vapour permeable. When used in a mechanically attached system, the membrane provides an ideal solution for roof constructions with limited risks of interstitial condensation.

**Puncture Resistance**

**Ruviplan FG** membranes are resistant, without damage, to the limited foot traffic and light concentrated loads associated with the installation and maintenance work. On areas of frequent foot traffic i.e. roof access points and routes to roof-top plant etc a suitable protection layer should be used. **Ruviplan** walkway membrane, paving slabs on supports or other preparatory walkway should be used.

**Life Expectancy**

**Ruviplan FG** has been subjected to accelerated weather tests that have indicated a minimum life expectancy of over 25 years. PVC single ply roofing membranes were first used in Europe in the 1960's and many continue to provide service after 35 years.

**Solar reflection**

**Ruviplan FG** light grey membrane can help to reduce the surface temperature during warm weather and heat gain within the interior of the building.

**Application**

**Ruviplan FG** membranes are suitable for use with foil faced ridged foam insulation and mineral wool insulation boards. On cold roof and refurbishment a suitable isolation layer should be used under the **Ruviplan FG** membrane.

**Installation**

**Ruviplan FG** membranes must be installed by applicators/contractors who have the necessary experience and equipment and have undergone the required training. Inspection of overlap, seams and general installation must be carried out during and on completion of each installation.

