

PRODUCT DATASHEET



DIMENSIONS

Ruviplan FG PLUS	
Thick-ness	1.5mm
Weight	1.8k/m ²
Roll Dimensions (m)	
1.08m x 20m	1.8m x 15m

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

COLOUR

Ruviplan FG PLUS is available in light and dark grey colour. Closest RAL to dark grey is RAL 7012 and closest RAL to light grey is RAL 7035. Colours variation may occur between batches.

TENSILE STRENGTH

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

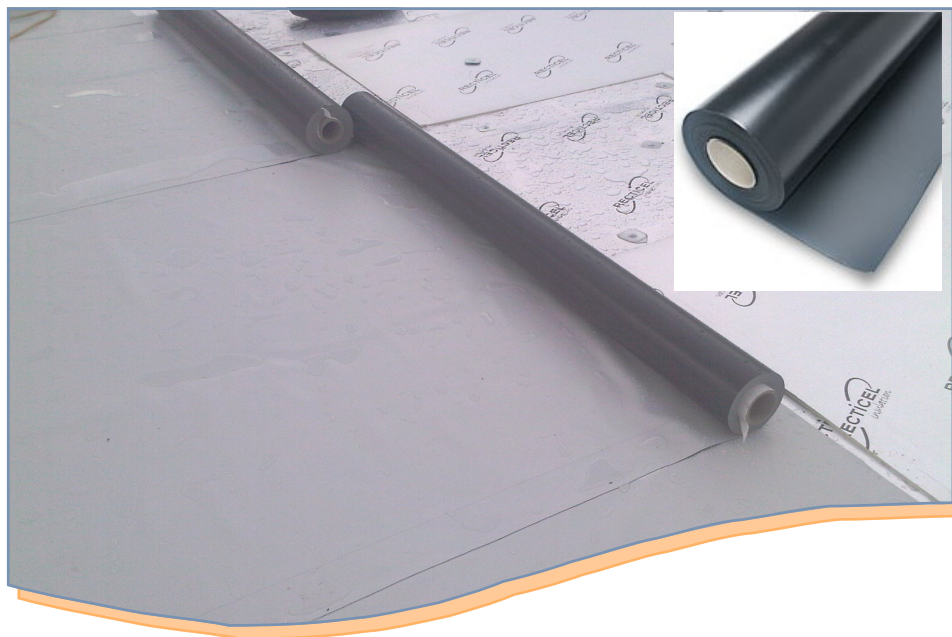
Ruviplan FG PLUS - Tensile Strength		
Test method	ISO EN12311-2	
Tensile Strength N/50mm not less than	length	1000
	cross-ways	1000



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RUVIPLAN FG PLUS

Ruviplan FG PLUS 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 PLUS 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 PLUS 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 homogeneous sheet.

Low temperature flexibility

Ruviplan FG PLUS is manufactured to withstand the low temperatures during winter. The membrane remains flexible during installation and when in use without fracturing. **Ruviplan FG PLUS** remains flexible at -25°C .

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TEAR STRENGTH

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

Tear Strength		
Test method	ISO EN 12310-2	
No less than	Length	200N
	Cross-ways	200N

COLD RESISTANCE

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

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

FIRE RESISTANCE

Ruviplan FG PLUS has been tested by the BRE in accordance with BS EN 13501-5:2005+A1:2009 using test method CEN/TS 1187:2012 Test 4 and has been classified Broof(t4)

Fire Resistance	
Test method	EN/TS 1187:2012 Test 4
Flammability	B _{ROOF} (t4)



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Water vapour permeability

Ruviplan FG PLUS 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 PLUS 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 PLUS has been subjected to accelerated weather tests that have indicated a minimum life expectancy of over 30 years. PVC single ply roofing membranes were first used in Europe in the 1960's and many continue to provide service after 40 years.

Solar reflection

Ruviplan FG PLUS 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 PLUS 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 PLUS** membrane.

Installation

Ruviplan FG PLUS 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.



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