Product Datasheet

Ruvimat D

Ruvimat D is the principal waterproofing material for exposed roof applications known as 'Mechanically Attached Systems'. **Ruvimat D** membranes are ideal for new and renovation of, flat, pitched and curved roof configurations.

DIMENSIONS

Ruvimat D		
Thickness	1.2mm	1.5mm
Weight	1.45k/m²	1.9k/m²
Roll Dimensions (m)		
2.0m x 20m		

COLOUR

Ruvimat D standard colour is light grey, a colour that helps to reduce surface temperature of the membrane during warm weather and heat gain within the building. The closest RAL number to Ruvitex light grey is RAL 7047 Colours variation may occur between batches.

TENSILE STRENGTH

Ruvimat D membranes have exceptional tensile strength and are designed to be resistant to wind uplift forces as well as thermal and structural movement of buildings.

Ruvimat D Tensile Strength		
Test method	ISO EN 12311-2	
Tensile Strength N/50mm not less than	length	800
	crossways	800

Material

Ruvimat D 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

Ruvimat D 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

Ruvimat D is manufactured to withstand the low temperatures during winter. The membrane remains flexible during installation and when in use without fracturing. Ruvimat D remains flexible at –30° C.

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TEAR STRENGTH

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

Ruvitex D - Tear Strength		
Test method	ISO EN 12310-2	
No less than	Length	180N
	Crossways	180N

COLD RESISTANCE

Ruvimat D contains stabilisers which ensure that the membrane is resistant to low and high temperatures.

Ruvitex D - Cold Resistance	
Test method	ISO EN 495-5
Cold Resistance	Down to –30°C

FIRE RESISTANCE

Ruvimat Dhas 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)

Ruvimat D Fire Resistance	
Test method	CEN/TS 1187:2012 Test 4
Flammability	B_{ROOF}(t4)

Water vapour permeability

Ruvimat D 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

Ruvimat D 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

Ruvimat D 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

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

Application

Ruvimat D 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 Ruvimat D membranes.

Installation

Ruvimat D 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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