

Monarplan D

Monarplan D is an unreinforced Polyvinyl Chloride (PVC) single-ply roofing membrane.

APPLICATION

Monarplan D membrane is intended to be used on site to form details such as internal/external corners, field fabricated pipe flashings, sealant pockets and scuppers. Membranes should be installed in accordance with the manufacturer's guidelines.

Upper Surface	Smooth PVC surface - RAL7001 (grey) - RAL 7015 (anthracite)
Lower Surface	Smooth PVC surface - RAL7001 (grey) - RAL 7015 (anthracite)
Material	Polyvinyl Chloride (PVC)
Type of Reinforcement	N/A

Characteristic	Test Method	Value or Statement	Tolerance	Units
Length	BS EN 1848-2	15	-0/+5%	m
Width	BS EN 1848-2	1.5	-0/+5%	m
Mass per unit area	BS EN 1849-2	2.00	-5/+10 %	kg.m ²
Effective thickness	BS EN 1849-2	1.5	-5/+10 %	mm
Water tightness	BS EN 1928 (B)	pass	-	-
Reaction to fire	BS EN 13501-1	Class E	-	-
Tensile strength	BS EN 12311-2 (A)	≥ 10	-	N/50 mm
Elongation	BS EN 12311-2 (A)	≥ 250	-	%
Water vapour diffusion value	EN 1931	μ = 10'000	-	-
Resistance to Cold Blend	EN 495-5	≤ -30	-	°C

MD = Machine Direction. TD = Transverse Direction.

PACKAGING

Description	Roll Dimensions	Rolls per pallet	Product Code
Monarplan D Anthracite	15m x 1.5m	15	10001400
Monarplan D Grey	15m x 1.5m	15	10001371

STORAGE

The membranes are delivered to site in rolls packed on pallets. Store and protect materials from mechanical damage and shelter from rain and sun.

They must be stored horizontal on a flat surface and kept dry at a temperature between 0 °C and +40 °C.

Materials temporarily kept outdoors or on the roof during construction should be given the same protection.

Exercise caution and do not exceed the allowable live load of the structure.

INSTALLATION SUMMARY

Monarplan D membranes are used in conjunction with the main field or detailing area membranes and are hot air welded in position. The membrane is to be installed in accordance with manufacturer's instructions and current and relevant standards such as BS 6229 and SPRA's Design Guide.

For further details please consult our Flat Roofing Product Installation Guidelines or contact our BMI Icopal technical services team.

TECHNICAL SERVICES

For further information and technical support, please contact our technical services team:

T: +44 (0) 330 123 4585

E: technical.uk@bmigroup.com

SAFETY, QUALITY & ENVIRONMENT

BMI Icopal synthetic membranes are distributed under a Quality Management System approved to ISO 9001: 2015 and an Environmental Management System approved to ISO 14001: 2015, by TÜV NORD CERT GmbH.

Information regarding transportation, handling, storage and disposal can be found on the Safety Data Sheets.

