

PRODUCT DATA SHEET

DESCRIPTION

COLPHENE® DSW-M is a heavy-duty pre-applied system membrane for horizontal and vertical applications. It is composed of proprietary formulation of composite tri-laminated HDPE/ elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen designed to provide a durable, water-tight seal and protection from water, vapor and gas infiltration during the product life cycle.

End laps and side lap joints of COLPHENE® DSW-M are detailed with SOPRATAPE C. COLPHENE®DSW-L together with COLPHENE® DSW-M are integral components of the COLPHENE® DSW (Dual System Waterproofing).

STORAGE & HANDLING

Rolls must be stored in upright position. Store rolls in a clean dry location and cover as necessary to protect from any environmental impact such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of COLPHENE® DSW-M.

USER APPLICATION

COLPHENE® DSW-M is used in various applications for substructure and superstructure. All the application guidelines are described in SOPREMA's Technical Manuals in force.

INSTALLATION		ACCESSORIES
	LOOSE LAID	
SOPRATAPE C - HDPE / SBS TAPE		

ADVANTAGES	<ul style="list-style-type: none">■ Resilient Tri-Laminated HDPE facer■ Flexible and dimensionally stable cold applied system■ Resistance to UV degradation■ Superior Tensile, Tear & Puncture strength■ Resistance to Chemicals
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HEALTH, SAFETY & ENVIRONMENT

The product does not contain any substance likely to be detrimental to health or to the environment and complies with generally admitted Health & Safety Requirements. For further information please refer to relevant Material Safety Data Sheet (MSDS).

TRACEABILITY

Product traceability is ensured through a manufacturing identification present on the packaging.

QUALITY MANAGEMENT

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality Management Systems in line with ISO 9001:2015.



COMPOSITION & PACKAGING

PROPERTY	COLPHENE® DSW-M
Cold flexibility	- 20 °C
Thickness	3.8 mm
Roll dimension	1 x 8 m
Roll weight	39 kg
Top face	High density Tri-laminated HDPE Printed film
Underface	Thermofusible film

PROPERTY	SOPRATAPE® C
Cold flexibility	- 30 °C
Thickness	1.2 mm
Roll dimension	20 x 0.15 m
Roll weight	3.6 kg
Top face	Opaque release film
Underface	Clear release film

TECHNICAL PROPERTIES

PROPERTIES	STANDARDS	COLPHENE® DSW-M
Softening point	ASTM D36	> 130 °C
Penetration	ASTM D5	25 - 35 dmm
Mass per unit area	BS EN 1849-1	4.8 kg / m ²
Heat resistance @ 2 Hrs.	BS EN 1110	105 °C
Tensile strength, MD / CMD	BS EN 12311-1	1600 / 1300 N / 5cm
Elongation, MD / CMD	BS EN 12311-1	40 / 45 %
Tensile strength, MD / CMD	ASTM D5147	30 / 20 kN / m
Elongation, MD / CMD	ASTM D5147	75 / 55 %
Tear strength (Notch method), MD / CMD	ASTM D5147	1000 / 900 N
Tear strength (Nail method), MD / CMD	ASTM 12310 - 1	500 / 400 N
Tear strength	ASTM D4533	250 / 250 N
Tear strength	ASTM D5884	160 / 200 N
Puncture resistance	ASTM E 154	> 2000 N
Shear resistance of joints, side laps	BS EN 12317-1	61 N / 50mm (1220 N / m)
Chemical resistance	ASTM D543	Complies

*Note: All products manufactured by SOPREMA comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.
Data is represented by average values, unless noted otherwise.
All values are nominal, level ± 20 %*

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

