

PRODUCT DATA SHEET

TECHNICAL DATA SHEET 511802104ME001
SUPERCEDES: TECHNICAL DATA SHEET PFLFXFLM - 190507SMEIE001

DESCRIPTION

PLASTIFLEX® FLAM 180 is a range of bituminous waterproofing membranes modified with Atactic polypropylene resins, and reinforced with a non-woven polyester mat. The under face is covered with a thermofusible film, while the upper face is covered with either film or slate flakes.

STORAGE & HANDLING

Rolls must be stored in upright position, with selvedge side on top to prevent damage. 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 PLASTIFLEX® FLAM 180.

USER APPLICATION

PLASTIFLEX® FLAM 180 is used in various applications for substructure waterproofing. All the application guidelines are described in SOPREMA's Technical Manuals in force.

INSTALLATION		ACCESSORIES	SOPRADERE HT - SOLVENT BASED PRIMER
			AQUADERE HT - WATER BASED PRIMER
			SOPRABOARD SF - PROTECTION BOARD
			SOPRAMASTIC LM - BITUMINOUS MASTIC

HEAT WELDED

ADVANTAGES	■ Resistant to weathering conditions
	■ Resistant to heat, aging, puncture and rotting
	■ Dimensional stability and elastic performance
	■ Homogenous compound density
	■ Resistance to delamination
	■ Improved flow resistance at high temperature
	■ Climatic adaptability and increased longevity

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	PLASTIFLEX® FLAM 180	PLASTIFLEX® FLAM 180
	4P	4F
Cold flexibility	0 °C	0 °C
Thickness	4.0 mm	4.0 mm
Roll dimension	1 X 10 m	1 X 10 m
Roll weight	56 kg	56 kg
Rolls per pallet	23 Rolls / Pallet	23 Rolls / Pallet
Underface	Thermofusible film	Thermofusible film
Surface	Thermofusible film	Sate flakes

TECHNICAL PROPERTIES

PROPERTIES	STANDARDS	PLASTIFLEX® FLAM 180
Softening point	ASTM D36	150 °C
Tensile strength, MD / CMD	EN 12311 - 1	600 / 400 N / 5cm
Elongation, MD / CMD	EN 12311 - 1	30 / 35 %
Flow resistance at elevated temperature	EN 1110	100 °C
Nail tear resistance, MD / CMD	EN 12310 - 1	125 / 130 N
Puncture resistance	ASTM E 154	650 N
Water absorption @ 24 Hrs	ASTM D570	≤ 0.5 %

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, tolerance ± 20 %

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

