

# COLPHENE 2500 NG

TECHNICAL DATA SHEET APTDS-E-128-08

## DESCRIPTION

COLPHENE 2500 NG is a self-adhesive base sheet membrane composed of SBS modified bitumen. The surface is composed of a high-density polyethylene (HDPE) film, the underside is covered with a release protection film.

## APPLICATION

- It can be used as both a underlay or reinforcement layer for roof waterproofing systems with standing seam metal roofing panels or bituminous shingle.
- Waterproofing for foundation walls and others below grade vertical surfaces
- Vapour barrier in both conventional and deck roof systems.

## INSTALLATION

- Brush and dry surface.
- If needed, cover the surface with a coat of primer ELASTOCOL STICK using a brush or a roller.
- Once dry, put roll into place and set it to the appropriate size.
- Pull on sheet and lay it out while flattening the surface so as to avoid air getting trapped.
- Ideal laying temperature: + 10°C
- Overlap width according to local code.

## HEALTH AND ENVIRONMENT

The membrane does not contain any substance that might be detrimental to health or to the environment and complies with generally accepted health standards and Material Safety Data Sheet (MSDS).

## QUALITY CONTROL

SOPREMA has always attached highest importance to quality control. For this reason, we operate an internationally recognized quality system meeting ISO 9001 & ISO 14001 standards, independently monitored and certified.

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## PROPERTIES

Composition	COLPHENE 2500 NG
Thickness	1.5mm
Nominal weight	1.85kg/m <sup>2</sup>
Dimension	1×20m
Number of rolls per pallet	25
Top face	HDPE film
Under face	Silicone coated plastic film

Properties	Test method	COLPHENE 2500 NG	
		Machine direction (CD)	Cross machine direction (CMD)
Max tension, N/50mm	ASTM D5147	344	385
Elongation at break, %	ASTM D5147	431	496
Peel strength, N/mm - Lap Adhesion - Adhesion to steel plates - Adhesion to concrete	ASTM D1876 ASTM D903 ASTM D1000	1.75 2.29 2.02	
Tearing strength, N	ASTM D624	30	31
Heat resistance	ASTM D5147	Pass at 70°C, 2h	
Low temperature flexibility	EN 1109:1999	-5°C, no cracking	
Watertightness, 0.3MPa, 120min	EN 1928:2000	Pass	

(All values are nominal)