

## PRODUCT DATA SHEET

TECHNICAL DATA SHEET 252010ME001  
SUPERCEDES: TECHNICAL DATA SHEET I60930SCANE

### DESCRIPTION

COLPHENE® SP LAP is a waterproofing membrane composed of SBS modified bitumen and a non-woven polyester reinforcement. The surface is sanded, while the underface is covered with a thermofusible plastic film. COLPHENE® SP LAP is used as reinforcing strip in waterproofing systems for foundations and below grade surfaces.

### STORAGE & HANDLING

COLPHENE® SP LAP should be stored away from the source of ignition. Wear necessary Personal Protective Equipment. Partly used material should be placed in a sealed container and stored in a well-ventilated area. Open containers should be kept tightly closed, away from fire or open flame.

### USER APPLICATION

COLPHENE® SP LAP is installed on angles, inside and outside corners, construction joints and other details where a reinforcing strip is required. All the application guidelines are described in SOPREMA's Technical Manuals in force.

#### ADVANTAGES

- Remarkable Bond-Strength to Structural Concrete
- Part of a Value Engineering System in Sub-Structure Waterproofing
- Eliminates the Need for Protective Screed on Horizontal Substrates
- Resistant to Aggressive Chemicals (Chloride, Sulphate and pH level between 2 & 10)
- Homogeneous, Fully Sealed DUO SELVEDGE Overlaps.

### 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	STANDARDS	COLPHENE® SP LAP
Thickness (Gross)	ASTM D5147	3.5 mm
Roll dimension	-	10 x .30 m
Roll weight	-	4.3 kg
Rolls per pallet	-	90
Underface	-	Thermofusible Film
Surface	-	Specially Engineered Silicon Dioxide Crystal

## TECHNICAL PROPERTIES

PROPERTIES	STANDARDS	COLPHENE® SP LAP
Tensile strength @ peak load, MD / CMD	ASTM D5147	17 / 11.5 kN / m
Elongation @ break, MD / CMD	ASTM D5147	60 % / 65 %
Tear strength, MD / CMD	ASTM D5147	600 N / 400 N
Resistance to puncture, MD / CMD	ASTM E154	1050 N
Radon gas diffusion coefficient D	ISO/TS 11665 - 13	$2.9 (\pm 0.3) \times 10^{-11} \text{ (m}^2\text{/s) @ 20 }^\circ\text{C}$
Methane gas transmission	ISO 15105 - 1	$64 \text{ cm}^3\text{/(m}^2\text{.d.bar) @ 23 }^\circ\text{C}$
CO <sub>2</sub> gas transmission	ISO 15105 - 1	$356 \text{ cm}^3\text{/(m}^2\text{.d.bar) @ 23 }^\circ\text{C}$
Water vapour permeance	ASTM E96 method B	< 2.1 ng / (Pa • S • m <sup>2</sup> ) < 0.04 perms
Water absorption	ASTM D570 @ 24 hrs	< 0.5 %
Adhesion to poured structural concrete, 22 °C	ASTM D903 modified	3400 N / m
Resistance to hydrostatic head	ASTM D5385	> 110 m
Lateral water migration	ASTM D5385 modified	> 110 m
Low temperature flexibility	ASTM D5147	Unaffected @ -30 °C ( -22 F)

Conforms to Norms: EN 13969 / EN 13707 : 2004 + A2 : 2009 / EN 13969 : 2004 + A1 : 2006

(All values are Nominal), All published properties are nominal and considered by SOPREMA to be true and accurate. These nominal values are subjected to variation not exceeding 15% based on statistical data obtained internally and verified by internationally accredited independent laboratories.

## TESTING AND CERTIFICATIONS



## SUSTAINABILITY AND ENVIRONMENT

