

Formerly known as: FOUNDATION COATING

# COLPHENE

## LM 1100



TECHNICAL DATA SHEET **260129SCANE**

(supersedes 250919SCANE)

### DESCRIPTION

COLPHENE LM 1100 is a foundation coating composed of bitumen and fast evaporating solvent. It is used for the dampproofing of foundation walls, footings, retaining walls, wing walls, abutments and culverts.

COLPHENE LM 1100 is available in two versions: the regular version COLPHENE LM 1100 and the low-temperature version COLPHENE LM 1100 LT.

### SURFACE PREPARATION

- The surfaces must be clean, dry, free of any debris, dust, formwork or curing products, laitance, oil, flaking paint, water, frost, or any other contaminant that could interfere with the adhesion of the COLPHENE LM 1100.
- Repair and level all surface defects, roughness, and formwork lines. Use RESISTO PLASTIC CEMENT or SOPRAMASTIC to repair and level all surface defects and formwork lines, and seal joints, fastenings and penetrations.
- If release agents or contaminants are present on the surface of the concrete substrate, use a cleaning agent.
- Curing time may also vary with exterior temperature, as well as concrete thickness and density.
- The concrete surface should be dry to the touch and free of visible and standing humidity.
- Protect all surfaces that are not to be coated with COLPHENE LM 1100.
- Do not apply to excessively humid or frosted surfaces.

### APPLICATION

#### 1. APPLICATION STEPS

- 1.1. Mix the contents of COLPHENE LM 1100 thoroughly to a homogeneous consistency.
- 1.2. Apply COLPHENE LM 1100 using a roller, a brush or a spray equipment to form a continuous film on the foundation wall. Wait for complete drying before backfilling.
- 1.3. For better drainage of the foundation, install SOPRADRAIN 10-G or SOPRADRAIN DMB over the fully cured foundation coating. For more information, refer to the technical data sheet for the product concerned.

**Service temperature:** 70 °C (158 °F)

**Maximum application temperature:** 35 °C (95 °F)

The use of regular COLPHENE LM 1100 is recommended at temperatures above 10 °C (50 °F). At lower temperatures, we recommend using COLPHENE LM 1100 LT and conditioning it at a temperature above 10 °C (50 °F) to ease the application.

### RESTRICTIONS

- Avoid using a product containing bitumen directly on softwood boards or on flexible polyvinyl chloride.
- Protect the product from water until completely dry.
- For exterior use only.

**FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.**



**SOPREMA.CA 1 877 MAMMOUTH**

NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.  
This technical data sheet applies to products sold on the Canadian market only.

sopca-en-ca-tds-colphene-lm-1100.indd

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## GENERAL INFORMATION

Specifications	COLPHENE LM 1100	COLPHENE LM 1100 LT
Physical state	Liquid	
Colour	Black	
Solid content by weight	77%	70%
Available formats	3.78 L (1 US gal) 18.9 L (5 US gal) 205 L (54 US gal) 1000 L (264 US gal)	18.9 L (5 US gal) 205 L (54 US gal) 1000 L (264 US gal) In bulk (liter)
Coverage rate	0.5 to 0.7 L/m <sup>2</sup> (1.2 to 1.7 US gal/100 ft <sup>2</sup> )	
Drying time <sup>(1)</sup>	12 to 24 hours	12 to 36 hours

(1): Drying time may vary depending on temperature and quantity applied.

## PROPERTIES

COLPHENE LM 1100 meet the requirements of the CGSB-37-GP-6MA standard.

Properties	Standards	COLPHENE LM 1100	COLPHENE LM 1100 LT
Brookfield Viscosity, at 25 °C (77 °F)	N/A	2250 cP	1000 cP
Water vapour permeance	ASTM E96 (Method A)	< 43 ng/Pa•s•m <sup>2</sup> (0.74 perm)	

(All values are nominal)

## CLEANING

COLPHENE LM 1100 can be cleaned with solvents such as mineral spirits, Varsol, xylene, etc.

## STORAGE AND HANDLING

- COLPHENE LM 1100 can be kept 24 months when properly stored in its original sealed containers.
- Store in a cool and well-ventilated area.
- Keep away from any source of heat, freeze, humidity, oxidizing agents or direct sunlight.

**FOR MORE INFORMATION, REFER TO THE INSTRUCTIONS ON THE LABEL AND RELEVANT SAFETY DATA SHEET (SDS).**



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