



**WATERPROOFING**  
COMPLIMENTARY PRODUCTS

**LIQUIDS**

**M I D D L E E A S T**

# COLPHENE DPE 1000

**HIGH PERFORMANCE  
JELLIFIED, RUBBERISED BITUMEN EMULSION**

TECHNICAL DATA SHEET CDPE1000-190507SME1E001

## DESCRIPTION

COLPHENE DPE 1000 is a cold-applied rubberized, jellified bitumen emulsion waterproofing coating used in various concrete protection applications. COLPHENE DPE 1000 is a unique formula of chemically-emulsified bitumen combined with rubber reinforcement particles. COLPHENE DPE 1000 dries out to form a dark, seamless and flexible vapour-proof membrane thus improving the durability of concrete structures. COLPHENE DPE 1000 meets the requirements of ASTM DI 227 Type III Class I & ASTM D3747 Type I.

## USER APPLICATIONS

- COLPHENE DPE 1000 can be used in various application as a:
  - Damproofing liquid membrane.
  - Protective coating over concrete foundations.
  - Allows concrete to breathe thus can be used as curing compound for concrete.
  - Vapour barrier under cladding or roofing applications.
  - Protective coating over Floor Slabs.

## INSTALLATION GUIDELINES

- Concrete must be cured a minimum of fourteen (14) days and an adhesion test is recommended before membrane application. For complete installation specification and information please contact your local SOPREMA representative.
- All substrate must be clean, free from dirt, dust, loose particles, soil or grease.
- Stir the content of COLPHENE DPE 1000 until it becomes homogenous prior to application.
- For porous substrates, prepare a priming coat from the same material by diluting with 20% clean water by volume.
- Allow priming coat to dry out then apply first coat of COLPHENE DPE 1000 at the rate of 0.75kg/m<sup>2</sup> / Coat
- Coat evenly in the same direction using a dampened brush
- Apply the second coat / subsequent coats at a perpendicular angle to the previous coat at the same coverage rate.
- Drying time is 1 - 4 hours to touch under normal conditions. Under damp and cold conditions it is recommended to allow 6 hours between successive coats.
- Protect from frost and rain until fully cured It is recommended to protect with SOPRABOARD protection board prior to backfilling.
- For improved bonding with following works such as screeding or tiling, broadcast an even layer of silica sand over the top coat prior to installation of screed or tile grout.

## SUSTAINABILITY, HEALTH & ENVIRONMENT

All our activities & growth target sustainable development to minimize the impact on the environment. COLPHENE DPE 1000 does not contain any substances that might be detrimental to health or to environment and complies with generally accepted health standards.

## STORAGE AND HANDLING

COLPHENE DPE 1000 should be stored away from the source of ignition. Adequate ventilation has to be ensured when applying solvent based products in an enclosed area. Wear necessary Personal Protective Equipment. Open solvent based product drums or containers should be kept tightly closed, away from fire or open flame. Partly used material should be placed in a sealed container and stored in a well-ventilated area.

## QUALITY CONTROL

COLPHENE DPE 1000 is manufactured in ISO-9001 certified SOPREMA factories which are audited by Third-party organizations. Our products are manufactured to meet SOPREMA's Quality Management Manual.

VOC Compliant, High Performance Multiple Purpose Cold Applied Coating

Single Component & Non-Toxic

Good Adhesion to Most Building Substrates Including Expanded & Extruded Polystyrene

Cures to a Seamless Membrane

Applied to Damp Substrates

Applied Over Exposed or Below-Grade Concrete as a Water & Moisture Barrier.

- SOPREMA may modify the composition and/or utilization of its products without prior notice.
- All products manufactured by SOPREMA for Manufacturing Waterproofing Materials LLC. comply with the description & properties indicated in the technical data sheet that was current on the date of manufacture.



**PLANT**  
Mussafah Industrial Zone , Abu Dhabi, United Arab Emirates, P.O Box 39196  
TEL: +971 2550 3383, FAX: +971 2550 3382  
www.soprema.ae , info@soprema.ae

**SOPREMA NORTH AMERICA HQ:**  
1888 Jean-Berchmans-Michaud, Drummondville, Quebec, J2C 8E9, Canada  
TEL: 1 800 567-1492, www.soprema.ca

**SOPREMA GROUP HQ:**  
SUBSIDIARY OF SOPREMA S.A.S., 14 Rue de Saint Nazaire CS 60121, F-67025, STRASBOURG CEDEX, France,  
Tel: +33 (0)3 88 79 84 00, Fax: +33 (0)3 88 79 84 01  
www.soprema.com



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## PACKAGING & SUPPLY

PROPERTY	COLPHENE DPE 1000
Physical State	Liquid
Colour	Dark Brown
Packaging	20 L Pails

## TECHNICAL PROPERTIES

PROPERTIES	STANDARDS	COLPHENE DPE 1000
Rubber		20
Specific gravity	ASTM D2939	980 - 1050
Residue by evaporation,	ASTM D2939	55 ± 5 %
Ash content of residue, (Max)	ASTM D2939	8 %
Drying time	ASTM D2939	1 - 4 hours depending on weather conditions
Firm set		24 hours
Elasticity	ASTM D412	More than 1000%
Curing efficiency (water loss)	ASTM C309	< 0.50 kg / m <sup>2</sup>
Resistance to heat at 100 °C	ASTM D2939	No blistering, sagging, or slipping.
Flexibility, 0± 0.5 °C	ASTM D2939	No crackling or flaking.
Direct flame test	ASTM D2939	Coating chars in place.
Resistance to water	ASTM D2939	No blistering or re emulsification.
VOC content		< 0.50 %
Density	ASTM D1475	1.020 ± 0.05 g / cc

(All values are nominal)

All Values are subject to variation tolerance not exceeding 15% SHELF LIFE)

This product does not contain asbestos or tar constituents

## CLEANING

- Clean immediately after use, with water.
- Use kerosene or white spirit if the material has dried.
- During work, place tools in water while not in use

## SHELF LIFE

12 Months from the date of manufacturing , kept at ambient temperature of 25 °C in un-opened container.

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Quebec, J2C 8E9, Canada  
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