

PRODUCT DATA SHEET

TECHNICAL DATA SHEET 64092012ME001

SUPERSEDES: TECHNICAL DATA SHEET CDPE1000_201002SME1E001

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 D1227 Type III Class I & ASTM D3747 Type I. COLPHENE® DPE 1000 requires recommended solvent or water based primers (Sopradere HT or Aquadere HT) before applying to substrate.

STORAGE & HANDLING

Must be stored away from source of ignition. Wear necessary Personal Protective Equipment.

USER APPLICATION

COLPHENE® DPE 1000 can be used in single ply or 2-ply, vertically and horizontally in substructure and superstructure applications. All the application guidelines are described in SOPREMA® Technical Manuals in force.

ADVANTAGES

- 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

SHELF LIFE

Material will have a 12 months shelf life if stored in a dry and properly ventilated area, sheltered from the elements or any harmful substances. Material shall be adequately protected from environmental impacts to the properties or the performance of the membrane.

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	COLPHENE® DPE 1000
Physical state	Liquid
Colour	Dark Brown
Packaging	20 L Pails

CONFORMITY	ASTM D 1227 TYPE III, CLASS I
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TECHNICAL PROPERTIES

PROPERTY	STANDARDS	COLPHENE® 1000
Density @ 25 °C	ASTM D1475	1.020 ± 0.05 g / cc
Specific gravity	ASTM D2939	980 - 1050
Rubber	In-House	20
Residue by evaporation,	ASTM D2939	55 ± 5 %
Ash content of residue, (Max)	ASTM D2939	10 ± 2 %
Drying time	ASTM D2939	1 - 4 hours depending on weather conditions
Firm set	ASTM D2939	24 hours
Elasticity	ASTM D412 / D882	More than 1000 %
Curing efficiency (water loss)	ASTM C309	< 0.50 kg / m²
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	USEPA 24	0 g / L

*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.*

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT