



## PRODUCT DATA SHEET

TECHNICAL DATA SHEET 63092012ME001

SUPERSEDES: TECHNICAL DATA SHEET CDPE100\_190507SMEIE001

### DESCRIPTION

COLPHENE® DPE 100 is a cold applied rubberized bitumen emulsion, dark brown in color. It dries to form a seamless flexible, vapour-proof coating. COLPHENE DPE 100 complies with the requirements of ASTM D1227, Type III, Class I, and ASTM D3747, Type I and is compatible with a variety of substrates. COLPHENE® DPE 100 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 100 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

- Single component
- Cures to seamless membrane
- Applied on damp substrates
- Applied over exposed or below grade concrete as a water & moisture barrier
- Withstands effects of salt and other corrosive agents in soil and water
- Good adhesion to most substrates

### 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 100
Physical state	Liquid
Colour	Dark Brown
Packaging	20 L Pails and 200 L Drums

CONFORMITY	ASTM D 1227 TYPE III, CLASS I
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## TECHNICAL PROPERTIES

PROPERTY	STANDARDS	COLPHENE® DPE 100
Density @ 25 °C	ASTM D1475	1.020 ± 0.05 g / cc
Specific gravity	ASTM D2939	980 - 1040
Residue by evaporation	ASTM D2939	47 - 53 %
Elasticity	ASTM D412 / D882	more than 100 %
Ash content of residue (max)	ASTM D2939	8 %
Water Content, (Max)	ASTM D2939	53 %
Flammability	ASTM D2939	Non-Flammable
Firm set	ASTM D2939	24 hours
Drying time	ASTM D2939	1 - 4 hours depending on weather conditions
Heat test, 100 ±3 °C	ASTM D2939	No blistering, sagging, or slipping
Flexibility, 0 ± 1/2 °C	ASTM D2939	No cracking or flaking
Resistance to water	ASTM D2939	No blistering or re emulsification
Direct flame test	ASTM D2939	Coating chars in place
Resistance to chemicals	ASTM D543	Resistant to alcohol, most salt solutions and dilute acids and alkalis

*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