



WATERPROOFING
COMPLIMENTARY PRODUCTS

LIQUIDS

M I D D L E E A S T

COLPHENE DPE 100

MULTI-PURPOSE COLD APPLIED RUBBERISED BITUMEN EMULSION

TECHNICAL DATA SHEET CDPE100- 190507SME1E001

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.

USER APPLICATIONS

- Super-Structure damp-proofing applications
- Protective coating over concrete foundations
- Curing compound for green concrete
- Vapour barrier coating under cladding
- Vapour barrier under insulation boards
- Waterproofing later when reinforced by a geotextile fabric
- As an adhesive for wood blocks, insulation boards
- Primer coat when diluted with water

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.
- Substrate must be clean, free from dirt, dust, soil, grease, oil and other loose debris.
- Depending on substrate condition it is recommended to prime the substrate with a coat of COLPHENE DPE 100 diluted with 20% water.
- Stir the content for 3 minutes to attain homogeneity prior to application.
- Apply a minimum of 2 coats by brush or spray equipment at a rate of 0.75 kg/m² per coat.
- Dilute the first coat with water at 1:1 ratio. Allow the first coat to dry. Apply the second coat without dilution.
- To ease application, dampen the applicator equipment before and during use.
- Apply each coat at a right angle to the previous one to achieve good coverage and uniformity.
- Drying time to-touch is 1- 4 hours under normal conditions. Under damp and cold conditions it is recommended to allow 6 hours between successive coats.
- Protect COLPHENE DPE 100 from frost and rain until fully cured It is recommended.

SUSTAINABILITY, HEALTH & ENVIRONMENT

All our activities & growth target sustainable development to minimize the impact on the environment. COLPHENE DPE 100 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 100 should be stored away from the source of ignition in a properly shaded and well ventilated storage space. 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.

QUALITY CONTROL

COLPHENE DPE 100 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.

- 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.

Single component

Cures to seamless membrane

Applicable over damp substrates

Applicable 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



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PACKAGING & SUPPLY

PROPERTY	COLPHENE DPE 100
Physical State	Liquid
Colour	Dark Brown
Packaging	20 L Pails and 200 L Drums

TECHNICAL PROPERTIES

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

(All values are nominal)
(All values are subject to UEAtc)
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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