

## PRODUCT DATA SHEET

TECHNICAL DATA SHEET 13042102ME001

SUPERSEDES: TECHNICAL DATA SHEET 07116PWSMEIE

### DESCRIPTION

ALSAN® CM DUO is a two-component polymer modified, general purpose, flexible cementitious coating used for the waterproofing of water retaining structures. ALSAN® CM DUO is supplied in either trowel, brush or spray grades to provide a tight waterproof barrier. ALSAN® CM DUO is an easy to use product that can be mixed in-situ. ALSAN® CM DUO protects substrates against chemical aggressions that lead to damage and consequential deterioration. ALSAN® CM DUO is resistant to spilled industrial chemicals such as diesel, petrol, calcium chloride and mild inorganic acids. ALSAN® CM DUO is also resistant to weathering conditions and foot traffic.

### STORAGE & HANDLING

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

### USER APPLICATION

ALSAN® CM DUO 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

- Withstands High Hydrostatic Pressure
- High Bond Strength to Concrete & Masonry
- Excellent Post Immersion Crack Bridging Capabilities
- VOC Compliant
- Meets SCAQMD Rule 1113 & LEED VOC Limits
- Liquid Applied (Seamless Application)
- Formaldehyde Free
- Dual Application Above & Below Grade

### SHELF LIFE

Material will have a 18 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	ALSAN® CM DUO
Packaging	22.1 Kg Kit (17 Kg Powder + 5.1 Kg Liquid)
Yield	12.8 Litre/Pack

CONFORMITY	<b>B.S. 6920 Effect on water quality</b> <b>WATER REGULATIONS ADVISORY SCHEME LTD.</b> <b>B.S. 1881 Part 222</b> <b>DIN 1048 : Water penetration test</b>
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HYDROSTATIC PRESSURE RESISTANCE	
Positive pressure	7 bar (2 coats / 1 kg / m²)
Negative pressure	3 bar (2 coats / 1.5 kg / m²)

## TECHNICAL PROPERTIES

PROPERTY	ALSAN® CM DUO
Tensile strength ( ASTM C307 - 18 )	2.57 N / mm²
Water permeability	NIL
Reduction in chloride ion permeability	98 %
Water vapour transmission	3.7 perms
Carbo dioxide permeability	> 200 m <sup>air</sup>
Oxygen defusion	< 5 x 10 <sup>-5</sup> ccm² / second
VOC (USEPA 24)	<1 g / L
Pot life	45 min / 20 °C
Crack bridging ability ( ASTM C1305 / C1305M - 16 )	0.5 mm
Flexural Strength ( ASTM C580 - 18 )	4.66 N / mm²
Compressive strength (ASTM C579 - 18)	10.13 N / mm²
Pull-off strength ( ASTM D4541 )	1.08 N / mm²

*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