

## PRODUCT DATA SHEET

TECHNICAL DATA SHEET 402009ME001

### DESCRIPTION

COLPHENE® DSW-L is a solvent-free polymer modified, highly rubberised, two component waterproofing bitumen emulsion. Component "A" of COLPHENE® DSW-L is a special bitumen compound base while component "B" is a special catalyst that initiates the reaction and stimulates the fast setting activity of the product. COLPHENE® DSW-L becomes watertight against water aggression in a short time thus securing a flexible, full protection for the protected substrates. COLPHENE® DSW-L is a thixotropic compound reinforced with special enriching fibres enabling application in a high-build thickness by brush, roller or a one-spray application. COLPHENE® DSW-L is resistant to commonly known chemicals present in ground soil. COLPHENE® DSW-L together with COLPHENE® DSW-M are integral components of SOPREMA's COLPHENE® DSW (Dual System for Waterproofing) for sub-structure waterproofing applications.

### STORAGE & HANDLING

COLPHENE® DSW-L applicator should wear necessary Personal Protective Equipment during application. Partly used material should be placed in a sealed container and stored in a shaded dry area. Open containers should be kept tightly closed, away from fire or open flame.

### USER APPLICATION

COLPHENE® DSW-L is used in various applications for substructure and superstructure. All the application guidelines are described in SOPREMA's Technical Manuals in force.

#### ADVANTAGES

- VOC Compliant
- Fast setting (tack-free in 90 min.)
- Adhere to a wide range of substrates (dry or slightly damp)
- Adheres to metal substrates
- Excellent bond to bitumen coated substrate
- Excellent crack bridging

### 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® DSW-L
Liquid weight	20 kg
Powder weight	7 kg
Yield	26 L
Coverage	13 m <sup>2</sup> @ 2 mm thick / set

## TECHNICAL PROPERTIES

PROPERTIES	STANDARDS	COLPHENE® DSW-L
Density @ 25 °C	ASTM D2939	1.124 g / ml
Solid content	ASTM D5147	64.5 %
Drying time to touch	ASTM D2939	2.5 Hrs.
Pot life	In-house	12 - 24 Hrs.
Full cure	In-house	10 Days
Tensile strength	ASTM D5147	0.44 kN / m
Elongation	ASTM D5147	58 %
Tensile strength	ASTM D882	0.17 Mpa
Elongation	ASTM D882	80 %
Specific gravity @ 23 °C	ASTM D5147 - 13	1.03
Track free time @ 23 °C	ASTM D1640 / D1640M - 14 (2018)	90 minutes
Water vapor transmission @ 23 °C	ASTM E96 / E96M - 16	2.054 g / m <sup>2</sup> / 24 hours
Puncture resistance @23 °C (Maximum load)	ASTM E154 - 08a (2013) (section 10)	25 N
Puncture resistance @23 °C (Deflection)	ASTM E154 - 08a (2013) (section 10)	28 mm
VOC @ 23 °C	USEPA 24	< 1 g / L
Water resistance - Negative pressure @ 7 bar	DIN 1048	No Leakage Observed

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, level  $\pm$  20 %

## TESTING AND CERTIFICATIONS



## SUSTAINABILITY AND ENVIRONMENT