



COLPHENE[®] DSW

DUAL WATER-TIGHT PROTECTION SYSTEM
FOR MULTIPLE APPLICATION



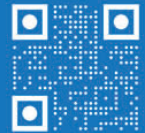
WATERPROOFING
SYSTEMS

FOUNDATION

www.soprema.ae

ADVANTAGES

RESILIENT TRI-LAMINATED HDPE FACER
FLEXIBLE & DIMENSIONALLY STABLE COLD APPLIED-SYSTEM
RESISTANCE TO UV DEGRADATION
SUPERIOR TENSILE, TEAR PUNCTURE STRENGTH
RESISTANCE TO CHEMICALS



SCAN QR CODE FOR
MORE INFORMATION
ABOUT **SOPREMA[®]**
PRODUCTS

SOPREMA[®] MWM L.L.C
Mussafah Industrial
Zone, ICAD1
Abu-Dhabi, United Arab
Emirates
Tel: +971 2550 3383
www.soprema.ae
info@soprema.ae

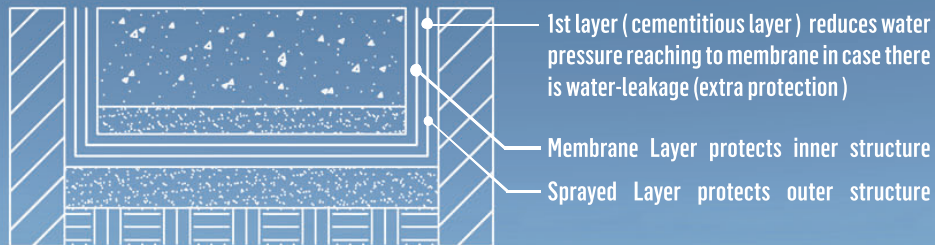
SOPREMA[®] MWM L.L.C
IBN Battuta Gate
Office 1004
Dubai, United Arab
Emirates
Tel: +971 4 878 6393
www.soprema.ae
info@soprema.ae



COLPHENE® DSW

DUAL WATER-TIGHT PROTECTION SYSTEM FOR MULTIPLE APPLICATION

COLPHENE® DSW is a unique cold-applied Dual System Waterproofing that protects the main outer and inner structure by using **COLPHENE® DSW-L** a Specially Modified Cementitious Bitumen Liquid membrane that forms strong waterproofing protection against negative water pressure which protects the outer structure, and with the use of **COLPHENE® DSW-M** a SBS modified bitumen sheet membrane with a Tri-Laminated HDPE film surface that provides durable, water-tight seal for building envelope and eliminates separation layer during installation which protects the inner structure from any water migration.

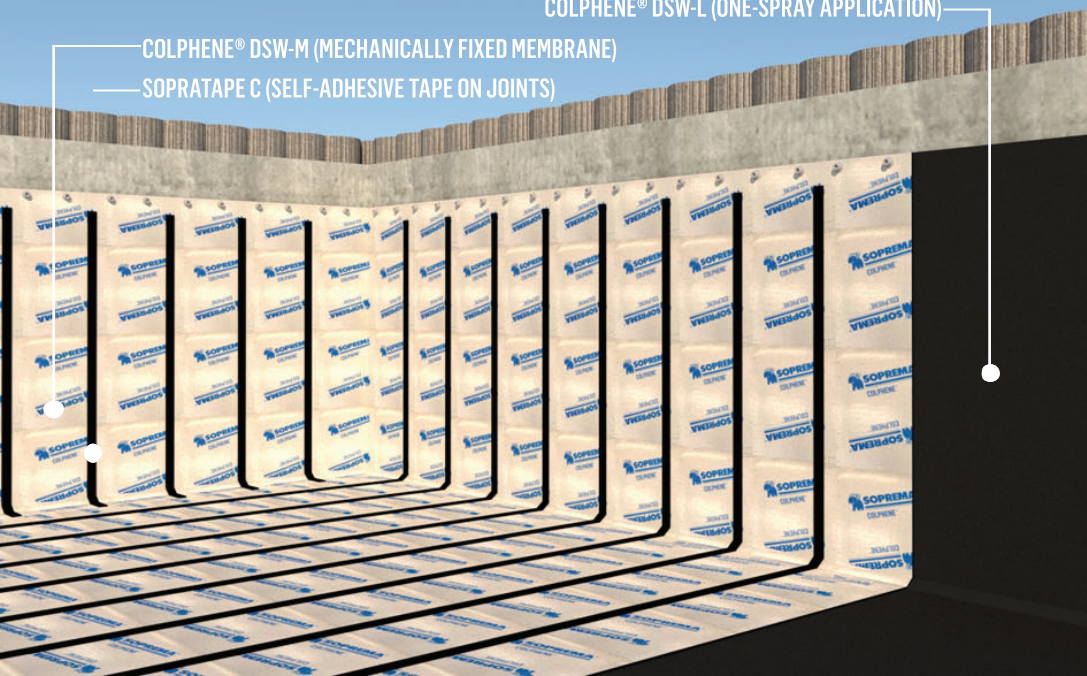


COLPHENE® DSW

COLPHENE® DSW-L (ONE-SPRAY APPLICATION)

COLPHENE® DSW-M (MECHANICALLY FIXED MEMBRANE)

SOPRATAPE C (SELF-ADHESIVE TAPE ON JOINTS)



COLPHENE® DSW COLD-APPLIED DUAL SYSTEM WATERPROOFING THAT PROTECTS OUTER & INNER STRUCTURE

SOPREMA® OFFERS A RANGE OF COLPHENE® DSW MEMBRANES

COLPHENE® DSW M

COLPHENE® DSW-M is a heavy-duty pre-applied system membrane for horizontal and vertical applications. It is composed of proprietary formulation of composite tri-laminated HDPE/ elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen designed to provide a durable, water-tight seal and protection from water, vapor and gas infiltration during the product life cycle. End laps and side lap joints of **COLPHENE® DSW-M** are detailed with **SOPRATAPE® C**.

COLPHENE® DSW-L together with **COLPHENE® DSW-M** are integral components of the **COLPHENE® DSW** (Dual System Waterproofing).



DIMENSIONS

8 X 1 Meters Roll

THICKNESS

3.8 MM

SURFACE FINISH

High density Tri-laminated HDPE printed film

UNDERFACE FINISH

Synthetic Film

APPLICATION METHOD

Loose-laid mechanically fastened

LOOSE-LAID



Resilient Tri-laminated HPDE facer
Resistance to UV degradation
Superior tensile & puncture strength
Resistance to chemicals

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

COLPHENE® DSW L

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**.



LIQUID WEIGHT

20 Kg

POWDER WEIGHT

7 Kg

YIELD

26 Litres

COVERAGE

13 Meter Square at 2 mm thick/set

APPLICATION METHOD

Spray Application

SPRAYED



Fast setting (tack-free in 90 min.)
Adheres to metal substrates
Excellent bond
Excellent crack bridging

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.

COLPHENE® DSW

DUAL WATER-TIGHT PROTECTION SYSTEM FOR MULTIPLE APPLICATION



WATERPROOFING
SYSTEMS

FOUNDATION

REPROFILING, WATERPROOFING & FULL ENCAPSULATION GUARANTEED

PILE HEAD TREATMENT

ALSAN® CAP C

ALSAN® CAP-C is a single component, shrinkage compensated, pile cap profiling and repair mortar manufactured from selected cements, aggregates, and additives. **ALSAN® CAP-C** is manufactured from high strength cement, special aggregates and additives all collectively are designed to provide a high strength, flowable, ready-touse formula to serve the purpose of reprofiling irregularities in concrete and void filling of structural deformations.



PACKAGING

25 kg (55 Lb) bag

COMPRESSIVE STRENGTH

24 Hours	18 MPa (2600 psi)
7 Days	45 MPa (6525 psi)
28 Days	65 MPa (9425 psi)

ALSAN® CAP E

ALSAN® CAP-E is a three-component, high performance fluid epoxy resin designed for general heavy-duty civil engineering applications and for encapsulating pile tops in the range from 5 to 50 mm. **ALSAN® CAP-E** is manufactured from a combined blend of epoxy resins with select aggregates all delivering a durable flowable & homogeneous grout when mixed together. **ALSAN® CAP-E** is also used in void-filling applications in the construction industry. With exceptional resistance to aggressive chemicals such as acids, alkalis and sea water, **ALSAN® CAP-E** is an excellent choice for various civil engineering grouting applications.



PACKAGING

Pack of 3 components (Base, Hardener & Filler)

COMPRESSIVE STRENGTH (7 DAYS)

(ASTM C579) : >87 N/mm²

TENSILE STRENGTH (7 DAYS)

(ASTM C307) : 16.1 N/mm²

FLEXURAL STRENGTH (7 DAYS)

(ASTM C580) : 38 N/mm²

LIQUID APPLICATION

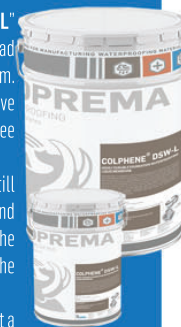
COLPHENE® DSW L

Spray first coat of "**COLPHENE® DSW L**" waterproofing liquid covering all pile cap head perimeter at minimum thickness of 2mm. Ensure pile surfaces that will receive "**COLPHENE® DSW L**" are clean, dry, and free of contamination or debris.

While first coat of "**COLPHENE® DSW L**" is still wet, apply "**FLASHING REINFORCEMENT**" around the edges of pile cap head tying with the **COLPHENE® DSW** membrane at the neck. Allow to dry for a minimum of 12 hours.

Spray second coat of "**COLPHENE® DSW L**" at a minimum thickness of 2mm. Allow to dry for a minimum of 6 to 12 hours. Depends on whether condition.

Encapsulate by the epoxy grout "**ALSAN® CAP E**" (refer to mixing information below).



REINFORCEMENT

FLASHING REINFORCEMENT

FLASHING REINFORCEMENT is 100 % polyester stitch-bonded fabric. This high performance reinforcement is made without the use of chemical binder.

FLASHING REINFORCEMENT is used in conjunction with **ALSAN® FLASHING**. Its high absorption capability allows to quickly wet into and become encapsulated by **ALSAN® FLASHING** liquid membrane.



ROLL SIZE

0.15 X 30.5 m (6 in x 100 ft)

PRIMER

SOPRADERE® HT

SOPRADERE® HT is an excellent quality universal primer, manufactured from a special type of bitumen. It is solvent-base and commonly applied onto various substrates (concrete, concrete blocks, bricks, foam concrete, fiber, and steel substrates) to improve bonding of heat-welded or self-adhering bituminous membranes. **SOPRADERE® HT** is manufactured in accordance with ASTM D41 standard.



PACKAGING

20 L. pails and 200 L. drums

UNIQUE DETAILED DESIGN FOR PILES

COLPHENE[®] DSW

DUAL WATER-TIGHT PROTECTION SYSTEM FOR MULTIPLE APPLICATION



WATERPROOFING
SYSTEMS

FOUNDATION

COMPLETE YOUR RANGE WITH SOPREMA[®] ACCESSORIES

ACCESSORIES

SOPRASTRIP[®]

SOPRASTRIP[®] is a prefabricated wall / floor, ready to install, support chamfer and angle fillet used to eliminate the stress over structural joints in construction projects. **SOPRASTRIP[®]** is manufactured from a distinct material compatible with multiple types of waterproofing membranes suiting different design and installation methods. As a practical substitute to sand/cement angle fillet, **SOPRASTRIP[®]** is fast and easy to install by mechanical fastening at junctions prior to installing waterproofing systems.



PACKAGING

3 L.m. strips

SOPRATAPE[®] C

SOPRATAPE[®] C is a non-reinforced, two-face self-adhesive tape. It is composed of SBS-modified bitumen. A silicone-coated release film covers both self-adhesive faces. **SOPRATAPE[®] C** is available in full width (36 in.) and cut rolls.



THICKNESS

1.2 mm

DIMENSIONS

20 X 0.15 m

SOPRAJOINT[®] PLUS TPE 320

SOPRAJOINT[®] PLUS TPE 320 is a Thermoplastic Elastomer water-stop designed to ensure complete waterproofing at expansion joints of buildings and civil engineering structures. **SOPRAJOINT[®] PLUS TPE 320** is a fatigue-resistant water-stop designed to withstand the pressure and accommodate for the projected movement and elongation at the expansion joints in buildings.



THICKNESS

5.2 mm

WIDTH

320 mm

LENGTH

25 L.M.

SOPRAJOINT[®] RIH

Multi-use re-injectable hose system designed and made of flexible Solid PVC Nitrile blend (Thermoplastic Rubber) wrapped around by sponge strips while the whole assembly is strengthened by Nylon Braiding.



PACKAGING

1 X 100 m Rolls

INTERNAL DIA.

6 mm.

EXTERNAL DIA.

13 mm, 19 mm.

ACCESSORIES

SOPRAJOINT[®] WS

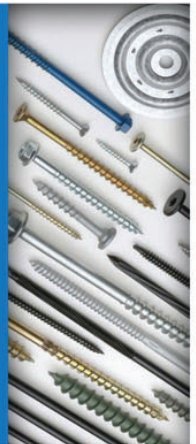
SOPRAJOINT[®] WS is made with hot-dip galvanized steel sheets, coated on both sides with a blend of pressure sensitive coating that bonds to the poured concrete. A split back silicone release paper reliably protects both pressure sensitive sides and is removed prior to casting concrete. **SOPRAJOINT[®] WS** is a high quality engineered, and diverse bitumen compatible water stop for sealing and waterproofing concrete construction joints. It can be installed over external and internal horizontal and vertical construction joints.



ACCESSORY PRODUCTS

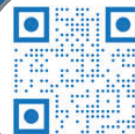
SOPREMA[®] offers a full range of accessories in Waterproofing, Thermal Insulation & Soundproofing.

SOPREMA[®] has a full range of foundation's accessory products including underlayments, cold adhesives, mastics, sealants, flashing products and fasteners.



SOPREMA[®] ACCESSORIES

The effectiveness of SOPREMA's waterproofing membranes would not be the same without the essential accessory products.



SCAN QR CODE FOR MORE INFORMATION
ABOUT **SOPREMA[®]** PRODUCTS
VISIT OUR WEBSITE : www.soprema.ae

