

COLPHENE 1500

COLPHENE 1500 is a self-adhesive SBS elastomeric bitumen waterproofing membrane.

The topside is protected by a cross-laminated, anti-root, carbon black pigmented HPDE film and the self-adhesive underside is protected by a silicone release film.

User application

COLPHENE 1500 is used for waterproofing of foundation walls.

COLPHENE 1500 is used as waterproofing underlayer for **COLPHENE CERADER** system under tiles (wet rooms, balconies, loggias).

All the applications are described in Technical Approvals or **SOPREMA's** Technical Guidelines in force.

Composition

COLPHENE 1500	
Binder	Elastomeric bitumen: blend of selected bitumen and SBS thermoplastic polymers
Thickness MDV ⁽¹⁾ according to 13707	1,5 mm (Silicone separator included) (-0 % ; +10 %)
Topside	Cross-laminated, anti-root, carbon black pigmented HPDE film
Underside	Silicone release film
⁽¹⁾ MDV = Manufacturer's Declared Value	

Packaging

COLPHENE 1500		
Dimensions of the roll	10 m x 1 m	20 m x 1 m
Weight of the roll	about 14 kg	about 28 kg
Storage	Do not stack	
Roll lengths are given with a tolerance of $\leq 1\%$. Roll can be cut in two parts. In this case, the shortest length is 2 meters and the total length is equal to the nominal length. Width of roll is given with a tolerance of 1% (UEAtc). Rolls must be stored upright on flat ground. Pallets may be stacked to a maximum of two high with separating layer. During storage, protect the rolls against moisture. In cold weather, we recommend that the rolls be kept at a minimum temperature of + 2°C (+ 36 °F) for at least 5 hours before installation.		

Characteristics (off CE marking)

	COLPHENE 1500
Tack properties at 10°C according to UEAtc ⁽¹⁾	50 N / 5 cm
Class of volatile organic compounds emission in indoor air	A+
⁽¹⁾ on concrete + ELASTOCOL 600 at 20°C and peeling speed 100 mm/min	

Installation

COLPHENE 1500 is bonded directly onto surfaces previously prepared:

- Brush and dry the surface,
- Apply with a brush or a roller a layer of primer of **ELASTOCOL 600** or **AQUADERE STICK** (for indoor uses),
- After drying, unroll, place and cut to the appropriate size,
- Remove the silicone film on ten centimeters,
- Apply on the substrate,
- Pull on the silicone film, bond avoiding any air inclusion and press firmly,
- Minimum laying temperature: + 10°C,
- Edges overlap: about 10 cm.

Special indications

Hygiene, health and environment:

The product does not contain any substance likely to be detrimental to health or to environment and complies with generally admitted Health and Safety Requirements. For further information, please refer to relevant Safety Data Sheet.

Traceability:


Product traceability is ensured through a manufacturing code present on the packaging.

Quality control:

SOPREMA has always attached the highest importance to the quality of its products, to the respect of environment and men.

For this reason, we apply an integrated management of the Quality and Environment certified **ISO 9001** and **ISO 14001**.

CE marking

 1119 COLPHENE 1500
SOPREMA 14 rue de Saint-Nazaire – CS 60121 67025 STRASBOURG cedex 06 Construction Product Regulation (CPR) Declaration of Performance: DoP n° WPBFR200 Certificate of Factory Production Control: 1119-CPR-13134 (EN 13707) Certificate of Factory Production Control: 1119-CPR-13138 (EN 13969)
<p style="text-align: center;">EN 13707 – EN 13969</p> <p>Self-adhesive membrane composed of modified elastomeric bitumen. Topside is covered by a cross-laminated, anti-root, carbon black pigmented HPDE film and underside is covered by a silicone release film. Dimensions: 10 m or 20 m x 1 m x 1,5 mm. Must be laid entirely through self-adhesion.</p>

Essential characteristics	Performances	Harmonised Technical Specification
Classification for external fire exposure (Note 1)	F_{ROOF} (t1,t2,t3,t4)	EN 13707:2004 + A2:2009
Root resistance	Conform	
Peel resistance of joints (N / 50 mm)	≥ 100	
Durability Flow resistance at elevated temperature after ageing	70°C	EN 13969:2004
Durability Watertightness after ageing	Conform	
Resistance to static loading – Method B (kg)	5	EN 13707:2004 + A2:2009 EN 13969:2004
Reaction to fire	E	
Watertightness	Conform	
Resistance to impact – Method A (mm)	400	
Shear resistance of joints (N/50 mm)	≥ 200	
Flexibility at low temperature	≤ -24°C	
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	≥ 175 x 200 225 x 190	
Resistance to static loading – Method A (kg)	5	
Resistance to tearing L x T (N)	≥ 55 x 70	
Dangerous substances (Notes 2 and 3)	Complies	

Note 1: Since external fire performance depends on the other components of the roof build-up, no performance can be given.

Note 2: This product does not contain asbestos or tar constituents.

Note 3: Since there is no European test method available, no performance declaration for leaching behavior can be made. It must be made according to national rules in force in the place of use.