

COLPHENE 1500

Description

Self-adhesive membrane composed of a root-resistant cross-laminated polyethene reinforcement at the bottom finished with elastomer bitumen.

Is mainly used as a waterproofing layer for underground structures (foundations, basements, ...).

The upper side is the root-resistant cross-laminated polyethene film.

The self-adhesive lower surface is protected by a silicone release film.

Characteristics

Composition	Standard	Unit	Value	Tolerance
Reinforcement / Finish upper side			cross-laminated polyethene	
Finish lower side			silicone release film	
Coating mass			self-adhesive elastomer modified bitumen	
Technical characteristics				
Thickness membrane	EN 1849-1	mm	1,5	-0/+10 %
Mass (indicative)	EN 1849-1	kg/m ²	1,4	
Tensile force (L / T)	EN 12311-1	N/50 mm	≥ 175 / 200	
Resistance to root penetration	EN 13948		pass	
Resistance to static loading	EN 12730-A EN 12730-B	kg	≥ 5 ≥ 5	
Resistance to impact	EN 12691-A EN 12691-B	mm	≥ 400 NPD	
Resistance to tearing (nail shank) (L / T)	EN 12310-1	N	≥ 55 / 70	
Flexibility at low temperature	EN 1109	°C	≤ -24	
Flow resistance at elevated temperature after aging	EN 1110 / EN 1296	°C	≥ 70	
Joint properties: peel resistance	EN 12316-1	N/50 mm	≥ 100	
Joint properties: shear resistance	EN 12317-1	N/50 mm	≥ 200	
Watertightness	EN 1928		pass	
Watertightness after ageing	EN 1928 / EN 1296		pass	
Reaction to fire	EN 13501-1	Class	E	
Packing				
Dimensions of the roll	EN 1848-1	m	≥ 10 / 20 x 1	
Mass/roll		kg	± 14 / 28	
Rolls/pallet			25 / 16	

NPD = no performance determined

Pallets may not be placed on to each other during storage and rolls need to be stacked so they won't bend. Direct sunlight and temperatures above +30 °C should be avoided at all times.

Installation

Self-adhesive with self-adhesive overlaps.

The substrate must be pre-impregnated with ELASTOCOL 503 or ELASTOCOL 600.

In order to obtain a good adhesion, the membrane must be installed at a temperature above +10 °C.

For processing, the rolls must be stored for at least 12 hours at a temperature above +10 °C.

Special indications

Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.
For more information, please refer to the relevant safety data sheet.

Quality-, Environment- and Safety 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 and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.

