

ARCOFLEX V

TECHNICAL DATA SHEET

ARCOFLEX V is a waterproofing membrane made of distilled bitumen modified with SBS (styrene-butadiene-styrene) polymers that make it very elastic, resistant to thermal ageing and flexible at low temperatures.

The elastomeric compound ensures ease of application, reduced consumption of gas and has excellent adhesion properties that ensure, when properly installed, superior bonding and tightness of all joints and overlaps.

The carrier is of glass fibre with longitudinal reinforcement yarns and provides superior dimensional stability making ARCOFLEX V ideally suited as a base sheet in multi-layer roof or waterproofing constructions.

CE MARK: RECOMMENDED DESTINATIONS OF USE

Underlay or intermediate layer in multi-layer waterproofing constructions, without heavy duty protection finish (UNI EN 13707)	ARCOFLEX V 3,0 kg/m ²			
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AVAILABLE SURFACE FINISHES

Upper surface : plastic films PE/ PP.

Lower surface : polypropylene or polyethylene burn-off film

PROPERTIES	TEST METHOD	UNIT	AVERAGE VALUES	TOLERANCES	
Length	EN 1848-1	m	10	±1%	
Width	EN 1848-1	m	1,0	±1%	
Thickness	EN 1849-1	mm	See CE Mark table above	±5%	
Unit Weight	EN 1849-1	kg/m ²	See CE Mark table above	±5%	
Tensile Strength (at break)	EN 12311-1	N/5 cm	L	300	±20%
			T	200	±20%
Elongation (at break)	EN 12311-1	%	L	2	±1 absolute
			T	2	±1 absolute
Tear resistance (nail test)	EN 12310-1	N	L	70	±30%
			T	70	±30%
Resistance to static loading	EN 12730 (A)	kg	NPD	--	
Impact resistance	EN 12691	mm	NPD	--	
Dimensional Stability	EN 1107-1	%	NPD	--	
Flexibility at low temperature	EN 1109	°C	-10	--	
Flow resistance	EN 1110	°C	100	--	
Water tightness	EN 1928	kPa	60		
Reaction to fire	EN 13501 -1	---	Euroclass F	--	
Resistance to external fire	EN 13501 -5	--	F roof	--	

FIELDS AND METHODS OF APPLICATION

ARCOFLEX V is recommended as a base sheet or intermediate layer in multi-layer waterproofing constructions for flat, pitched or vaulted roofs, made of reinforced concrete cast on site or prefab, of terraces, under-floorings etc. In case of direct exposure to weathering agents, ARCOFLEX V shall be protected with reflective paint or by a layer of self-protected (mineralised) membrane.

Subject to the type of substrate ARCOFLEX V shall be installed by means of a propane gas torch and/or of approved cold or hot adhesives. For correct installation refer to information provided by Copernit Technical Department.