

TECHNICAL DATA SHEET

TECNOROOF

TECNOROOF is a waterproofing membrane made of distilled bitumen modified with APP (Atactic polypropylene) polymers that make it very easy to install in various climate conditions.

The plastomeric compound ensures ease of application, very good adhesion as well as good resistance to UV deterioration and ageing in general. When properly installed, TECNOROOF offers superior bonding and tightness of all joints and overlaps.

The carrier is a polyester and glass composite with longitudinal reinforcement yarns.

It provides superior dimensional stability making TECNOROOF an easy to install membrane of excellent dimensional stability.

CE MARK: RECOMMENDED DESTINATIONS OF USE

Cap sheet layer in multi-layer waterproofing constructions, without heavy duty protection finish (UNI EN 13707)	TECNOROOF MINERAL 4.5 kg/m ²		
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AVAILABLE SURFACE FINISHES

Upper surface : sand or talc (TECNOROOF) or self protected with slate granules (TECNOROOF MINERAL)

Upon request it can be supplied with plastic films PE/ PP or with TEX (black polypropylene fleece)

Lower surface : polypropylene or polyethylene burn-off film

PROPERTIES	TEST METHOD	UNIT	AVERAGE VALUES	TOLERANCES	
Length	EN 1848-1	m	8	±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	400	±20%
			T	30	±20%
Elongation (at break)	EN 12311-1	%	L	35	-15 absolute
			T	35	-15 absolute
Tear resistance (nail test)	EN 12310-1	N	L	130	±30%
			T	130	±30%
Resistance to static loading	EN 12730 (A)	kg	10	--	
Impact resistance	EN 12691	mm	700	--	
Dimensional Stability	EN 1107-1	%	±0.3	--	
Flexibility at low temperature	EN 1109	°C	-10	--	
Flow resistance	EN 1110	°C	140	--	
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

TECNOROOF is recommended 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, TECNOROOF shall be protected with reflective paint or by a layer of self-protected (mineralised) membrane.

TECNOROOF MINERAL can be used as cap sheet layer without any further protective finish.

Subject to the type of substrate TECNOROOF 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.