

## TECHNICAL DATA SHEET

# SINTOPOL EXTRA

SINTOPOL EXTRA is a polymer-modified waterproofing membrane obtained from the modification of distilled bitumen with poly-olefin based co-polymers

The modified compound makes SINTOPOL EXTRA an easy to apply membrane that requires low consumption of gas and has excellent adhesion properties that ensure, when the membrane is properly installed, very good bonding and tightness of all joints and overlaps.

The carrier is a high grade composite polyester stabilised with longitudinal glass yarns that provide very good dimensional stability together with excellent mechanical characteristics, making SINTOPOL EXTRA an easy to install membrane ideally suited for most waterproofing applications.

### CE MARK :RECOMMENDED DESTINATIONS OF USE \*

Top layer in multi-layer systems for roof waterproofing even with permanent heavy protection finish (UNI EN 13707)	SINTOPOL EXTRA MINERAL 4,0 kg/ m <sup>2</sup>	SINTOPOL EXTRA 4,0 mm
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(\*) On demand this product can be manufactured also in other thicknesses; consult with Copernit Sales Office

### AVAILABLE SURFACE FINISHES

Upper surface : sand (SINTOPOL EXTRA) or self protected with natural grey or coloured slate flakes (SINTOPOL EXTRA MINERAL)

Available upon request : upper finish with TEX (non-woven black poly-propylene) or plastic PP/PE films

Lower surface : polypropylene fast burning film

PROPERTIES	TEST METHOD	UNIT	DECLARED VALUES		TOLERANCES
			L	T	
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 <sup>2</sup>	See CE Mark table above		±5%
Tensile Strength (at break)	EN 12311-1	N/5 cm	L	900	±20%
			T	650	±20%
Elongation (at break)	EN 12311-1	%	L	45	-15 absolute
			T	45	-15 absolute
Tear resistance (nail test)	EN 12310-1	N	L	190	±30%
			T	190	±30%
Resistance to static loading	EN 12730 (A)	kg	15		--
Impact resistance	EN 12691	mm	900		--
Dimensional Stability	EN 1107-1	%	± 0,3		--
Flexibility at low temperature	EN 1109	°C	-5		--
Flow resistance	EN 1110	°C	120		--
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

SINTOPOL EXTRA is recommended as a cap sheet 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, SINTOPOL EXTRA shall be protected with reflective paint.

SINTOPOL EXTRA MINERAL is recommended as a waterproofing cap sheet layer for applications without other types of protection.

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