



GB14/92057

# SINTOPOL EXTRA 4mm

Compound

**APP**

Cold Flexibility

**-5°C****CHARACTERISTICS**

SINTOPOL EXTRA is a polymer-modified waterproofing membrane made of distilled bitumen modified with poly-olefins and selected copolymers, that make it very adhesive and flexible at low temperatures. The APP-modified compound ensures ease of application, reduced consumption of gas making, SINTOPOL EXTRA an easy to install durable and age-resistant membrane with excellent adhesion properties for safe joints and overlaps.

**CARRIER**

The carrier is a high-grade composite polyester stabilised with longitudinal glass yarns that provide very good dimensional stability combined with good mechanical characteristics, making SINTOPOL EXTRA ideally suited for most waterproofing applications and preventing problems of shrinkage caused by weathering in time.

**INTENDED USE  
 ACCORDING  
 "CE" MARK  
 STANDARDS**

Underlay or Top layer in multi-layer systems for roof waterproofing (EN 13707)	<b>SINTOPOL EXTRA</b> 4,0 mm
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**AVAILABLE  
 SURFACE  
 FINISHES**

Upper surface	Talc; upon request sand, TEX (non-woven black polypropylene "ready-to-paint" film) or plastic HDPE film.
Lower surface	Polyethylene fast burning film. For cold applications by means of adhesive the use of sand finishing on the lower surface is recommended.

**USE &  
 APPLICATION**

SINTOPOL EXTRA is recommended as underlay or cap sheet layer in waterproofing systems 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 or by a layer of self-protected (mineralised) membrane. Subject to the type of substrate it shall be installed by means of a propane gas torch, approved adhesives or by mechanical fixing. In any case it is recommended to prepare substrate with fixative bituminous PRIMER W (water base) or PRIMER S (solvent base). For cold applications on primed concrete surfaces apply with COPERGLUE BASE bituminous adhesive (over horizontal areas) or COPERGLUE VERTICAL (parapets and elevations). Side laps, head joints and small repairs shall be made with COPERGLUE JOINT. For cold applications over insulation board (Polystyrene, PUR or PIR) apply with COPERMAST bituminous mastic. For correct installation refer to information provided by Copernit Technical Department.

Properties	Test Method	Unit	SINTOPOL EXTRA 4,0 mm	Tol.
Length	EN 1848-1	m	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Thickness	EN 1849-1	mm	4,0	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	850/650	±20%
Elongation (at break) L/T	EN 12311-1	%	40/40	±15
Tear resistance (nail test) L/T	EN 12310-1	N	200/200	±30%
Resistance to static loading	EN 12730 (A)	kg	15	≥
Impact resistance	EN 12691	mm	1000	≥
Dimensional stability	EN 1107-1	%	±0,3	≤
Flexibility at low temperature	EN 1109	°C	-5	≤
Flow resistance at elevated temperature	EN 1110	°C	120	≥
Watertightness (method A)	EN 1928	kPa	60	≥
Resistance to water vapor diffusion (μ)	EN 1931	--	20.000	--
Reaction to fire	EN 13501-1	Class	E	--
Resistance to external fire	EN 13501-5	Class	F <sub>ROOF</sub>	--