



GB14/92057

# SINTOGLASS

Compound

**APP**

Cold Flexibility

**0°C**
**CHARACTERISTICS**

SINTOGLASS is a polymer-modified waterproofing membrane obtained from the modification of distilled bitumen with polyolefin based co-polymers. The modified compound makes SINTOGLASS easy to apply membranes 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.

**CARRIER**

The carrier is made of glass fibre with longitudinal reinforcements which provide SINTOGLASS with high dimensional stability, making it the ideal base sheet in various waterproofing systems.

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

Underlay or intermediate layer in multi-layer systems for roof waterproofing (EN 13707)

**SINTOGLASS**  
2,0 mm

Waterproofing layer under slates or tiles (EN 13859-1)

**SINTOGLASS MINERAL**  
3,5 kg

**AVAILABLE SURFACE FINISHES**

Upper surface Talc; upon request sand 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**

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

SINTOGLASS MINERAL is used as waterproofing layer under slates, tiles and discontinuous roofing in general. Subject to the type of substrate it shall be installed by means of a propane gas torch or approved adhesives. 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 CPERMAST bituminous mastic.

For correct installation refer to information provided by Copernit Technical Department.

Properties	Test Method	Unit	SINTOGLASS 2,0 mm	SINTOGLASS MINERAL 3,5 kg	Tol.
Length	EN 1848-1	m	16 (-1%)	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	1,0 (-1%)	≥
Unit weight (versions specified by weight)	EN 1849-1	kg/m <sup>2</sup>	--	3,5	±5%
Thickness (versions specified by thickness)	EN 1849-1	mm	2,0	--	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	300/200	300/200	±20%
Elongation (at break) L/T	EN 12311-1	%	2/2	2/2	±1
Tear resistance (nail test) L/T	EN 12310-1	N	70/70	70/70	±30%
Resistance to static loading	EN 12730 (A)	kg	NPD	NPD	≥
Impact resistance	EN 12691	mm	NPD	NPD	≥
Dimensional stability	EN 1107-1	%	NPD	NPD	≤
Flexibility at low temperature	EN 1109	°C	0	0	≤
Flow resistance at elevated temperature	EN 1110	°C	120	120	≥
Watertightness (method A)	EN 1928	kPa	60	60	≥
Resistance to water vapor diffusion (μ)	EN 1931	--	20.000	20.000	--
Reaction to fire	EN 13501-1	Class	E	E	--
Resistance to external fire	EN 13501-5	Class	F <sub>ROOF</sub>	F <sub>ROOF</sub>	--