

# ARCOFLEX EXTRA MINERAL 5 kg

**Compound**  
**SBS**
**Cold Flexibility**  
**-10°C**
**CHARACTERISTICS**

ARCOFLEX EXTRA MINERAL 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 the membrane is properly installed, superior bonding and tightness of all joints and overlaps.

**CARRIER**

The carrier is an high-grade spunbond polyester that combines excellent tensile strength, high elongation values with good dimensional stability.

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

Top layer in multi-layer systems for roof waterproofing (EN 13707)

**ARCOFLEX EXTRA MINERAL**  
 5,0 kg/m<sup>2</sup>
**AVAILABLE SURFACE FINISHES**

Upper surface self-protection by means of white slate flakes; standard grey or other colours available upon request.

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**

ARCOFLEX EXTRA MINERAL 5 kg is recommended as exposed 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, etc.

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	ARCOFLEX EXTRA MINERAL 5,0 kg	Tol.
Length	EN 1848-1	m	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Straightness	EN 1848-1	--	20 mm x 10 m	max
Unit Weight	EN 1849-1	kg/m <sup>2</sup>	5,0	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	900/700	±20%
Elongation (at break) L/T	EN 12311-1	%	50/50	±15
Tear resistance (nail test) L/T	EN 12310-1	N	200/200	±30%
Resistance to static loading	EN 12730 (A)	kg	20	≥
Impact resistance	EN 12691	mm	1250	≥
Dimensional stability	EN 1107-1	%	±0,5	≤
Flexibility at low temperature	EN 1109	°C	-10	≤
Flow resistance at elevated temperature	EN 1110	°C	100	≥
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>	--