



GB14/92057

ARCOFLEX PLUS MINERAL

Compound

SBS

Cold Flexibility

-10°C**CHARACTERISTICS**

ARCOFLEX PLUS 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 a composite polyester stabilised with longitudinal glass yarns that provide very good dimensional stability and prevent problems of shrinkage caused by weathering in time.

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

Top layer in multi-layer systems for roof waterproofing (EN 13707) -
 Waterproofing layer under slates or tiles (EN 13859-1)

ARCOFLEX PLUS MINERAL
 3,5 kg/m²

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

ARCOFLEX PLUS MINERAL
 4,5 – 5,0 kg/m²

**AVAILABLE
 SURFACE
 FINISHES**

Upper surface ARCOFLEX PLUS MINERAL: self-protection by means of slate flakes available in standard grey, black, or other various colours upon request.

Lower surface Polypropylene or 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 PLUS MINERAL is recommended for use as a cap sheet layer in multi-layer waterproofing systems. Subject to the type of substrate it shall be installed by means of a propane gas torch, approved adhesives or by mechanical fixing.

ARCOFLEX PLUS MINERAL 3,5 kg is also used as waterproofing layer under slates, tiles and discontinuous roofing in general.

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 PLUS MINERAL 3,5 kg	ARCOFLEX PLUS MINERAL 4,5 kg	ARCOFLEX PLUS MINERAL 5,0 kg	Tol.
Length	EN 1848-1	m	10,0 (-1%)	8,0 (-1%)	8,0 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	1,0 (-1%)	1,0 (-1%)	≥
Straightness	EN 1848-1	mm	20 mm X 10 m	20 mm X 10 m	20 mm X 10 m	max
Unit weight	EN 1849-1	kg/m ²	3,5	4,5	5,0	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	500/400	500/400	500/400	±20%
Elongation (at break) L/T	EN 12311-1	%	35/35	35/35	35/35	±15
Tear resistance (nail test) L/T	EN 12310-1	N	140/140	140/140	140/140	±30%
Resistance to static loading	EN 12730 (A)	kg	15	15	15	≥
Impact resistance	EN 12691	mm	800	800	800	≥
Dimensional stability	EN 1107-1	%	±0,3	±0,3	±0,3	≤
Flexibility at low temperature	EN 1109	°C	-10	-10	-10	≤
Flow resistance at elevated temperature	EN 1110	°C	90	90	90	≥
Watertightness (method A)	EN 1928	kPa	60	60	60	≥
Resistance to water vapor diffusion (μ)	EN 1931	--	20.000	20.000	20.000	--
Reaction to fire	EN 13501-1	Class	E	E	E	--
Resistance to external fire	EN 13501-5	Class	F _{ROOF}	F _{ROOF}	F _{ROOF}	--

