



GB14/92057

ASTROFLEX HP MINERAL

Compound

SBS

Cold Flexibility

-20°C**CHARACTERISTICS**

ASTROFLEX HP MINERAL is a waterproofing membrane made of distilled bitumen modified with SBS (Styrene-Butadiene-Styrene) polymers. The high grade elastomeric compound ensures great elasticity, ease of application and superior bonding and tightness of all joints and overlaps.

ASTROFLEX HP MINERAL is ideally suited for systems where waterproofing layers are subject to structural solicitations and where superior ageing resistance and flexibility at low temperatures are required.

CARRIER

The carrier is an isotropic and rot-proof spunbond polyester carrier, reinforced and stabilised with longitudinal glass yarns that provide superior dimensional stability and reduce to an absolute minimum the risk of shrinkages caused in time by weathering and by swift thermal excursions.

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

Single or top layer in multi-layer systems for roof waterproofing (EN 13707)

Astroflex HP Mineral
 6,0 kg/m²
**AVAILABLE
 SURFACE
 FINISHES**

Upper surface self-protection by means of white slate flakes also available in standard grey 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**

ASTROFLEX HP MINERAL is recommended as a single layer or as 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.

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 | ASTROFLEX HP MINERAL | Tol. |
|---|--------------|-------------------|----------------------|------|
| Length | EN 1848-1 | m | 7,5 (-1%) | ≥ |
| Width | EN 1848-1 | m | 1,0 (-1%) | ≥ |
| Unit weight | EN 1849-1 | kg/m ² | 6,0 | ±5% |
| Tensile strength (at break) L/T | EN 12311-1 | N/5 cm | 800/650 | ±20% |
| Elongation (at break) L/T | EN 12311-1 | % | 40/50 | ±15 |
| Tear resistance (nail test) L/T | EN 12310-1 | N | 180/180 | ±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 | -20 | ≤ |
| 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 roof | -- |
| Compound properties | | | | |
| Softening point (Ring&Ball method) | EN 1427 | °C | 110 | ≥ |

