

| | | |
|-----------------------|-------------------------|---------------------------|
| SINTOPOL EXTRA | Compound APP | Cold Flex -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 rich modified compound ensures ease of application, reduced consumption of gas and has excellent adhesion properties that ensure superior bonding and tightness of all joints and overlaps, making SINTOPOL EXTRA an easy to install, durable and age-resistant membrane.

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, preventing problems of shrinkage caused by weathering in time.

INTENDED USE ACCORDING "CE" MARK STANDARDS:

- SINTOPOL EXTRA 2,0 mm – 3,0 mm : underlay or intermediate layer in multi-layer system for roof waterproofing, even under permanent heavy protection finish (EN 13707)
- SINTOPOL EXTRA 3,0 mm : foundations and ground waterproofing (EN 13969)

AVAILABLE SURFACE FINISHES: Upper surface: talc. Upon request upper finish with sand, TEX (non-woven black polypropylene) or plastic film.

Lower surface: polyethylene fast burning film.

USE & APPLICATION: SINTOPOL EXTRA 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, underfloorings, 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 SINTOPOL EXTRA shall be installed by means of a propane gas torch, approved adhesives, cold or hot, or by mechanical fixing.

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

| PROPERTIES | TEST METHOD | UNIT | SINTOPOL EXTRA 2mm – 3mm | TOL |
|---|-------------|--------|--------------------------|------|
| Length | EN 1848-1 | m | 15,0 or 10,0 (-1%) | ≥ |
| Width | EN 1848-1 | m | 1,0 (-1%) | ≥ |
| Straightness | EN 1848-1 | mm | 20 mm X 10 m | Max |
| Thickness | EN 1849-1 | mm | 2,0 – 3,0 | ±5% |
| Tensile strength L/T (max load) | EN 12311-1 | N/5 cm | 600/500 | ±20% |
| Breaking elongation L/T | EN 12311-1 | % | 35/35 | ±15 |
| Resistance to tearing L/T | EN 12310-1 | N | 150/150 | ±30% |
| Resistance to static loading | EN 12730(A) | kg | 15 | ≥ |
| Impact resistance | EN 12691 | mm | 900 | ≥ |
| 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 (A method) | EN 1928 | kPa | 60 | ≥ |
| Water vapour transmission | EN1931 | μ | 20.000 | ≥ |
| Reaction to fire | EN 13501 -1 | Class | E | -- |
| External fire exposure behaviour | EN 13501 -5 | Class | F roof | -- |

Issued 12/06/2013 - The technical data given is based on average values obtained during production. COPERNIT reserves the rights to change or modify the nominal values without prior notice or advice.