

IDROPOL®

Torch on bituminous waterproofing membrane.

DESCRIPTION

IDROPOL is a polymer-modified waterproofing membrane obtained from the modification of distilled bitumen with poly-olefin based copolymers. The modified compound makes **IDROPOL** an easy to apply membrane 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. 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.

AVAILABLE SURFACE FINISHES

- Upper surface: talc or sand (**IDROPOL**) or self protected with natural grey or coloured slate flakes (**IDROPOL Mineral**).

TECHNICAL INFORMATION

- Available upon request: upper finish with TEX (non-woven black poly-propylene) or plastic PP/Pe films.
- Lower surface: polypropylene fast burning film.

INTENDED USE ACCORDING "CE" MARK

Underlay or intermediate layer in multi-layer systems for roof waterproofing without permanent heavy protection finish (UNI EN 13707; 13969)	IDROPOL	IDROPOL
	3,0 kg/m ² 4,0 kg/m ²	3,0 mm 4,0 mm
Waterproofing layer under slates (UNI EN 13859-1)	IDROPOL Mineral 3,5 kg/m ² 4,0 kg/m ² 4,5 kg/m ²	

- ✓ On demand this product can be manufactured also in other thicknesses; consult with Copernit Sales Office.

Properties	Test Method	Unit	Declared Values		Tolerances
Length	EN 1848-1	m	10		± 1%
Width	EN 1848-1	m	1,0		± 1%
Thickness	EN 1849-1	mm	See CE Mark table above		± 10%
Unit Weight	EN 12311-1	kg/m ²	See CE Mark table above		± 5%
Tensile Strength (at break)	EN 12311-1	N/5cm	L	400	± 20%
			T	300	
Elongation (at break)	EN 12311-1	%	L	35	-15
			T	35	
Tear resistance (nail test)	EN 12310-1	N	L	130	± 30%
			T	130	
Resistance to static loading	EN 12730 (A)	kg	10		-
Impact resistance	EN 12691	mm	700		-
Dimensional Stability	EN 1107-1	%	± 0,3		-
Flexibility at low temperature	EN 1109	°C	0		-
Flow resistance	EN 1110	°C	120		-
Water tightness	EN 1928	kPa	60		-
Reaction to fire	EN 13501-1	-	Euro class F		-
Resistance to external fire	EN 13501-5	-	F proof		-



METHODS OF APPLICATION

IDROPOL 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, bridge etc. In case of direct exposure to weathering agents, **IDROPOL** shall be protected with reflective paint or by a layer of self protected (mineralised) membrane. **IDROPOL Mineral** is recommended for use as a waterproofing layer also under slates, roof tiles and on pitched roofs in general.

Subject to the type of substrate **IDROPOL** shall be installed by means of a propane gas torch, approved adhesives as **Vincoat** or **Primer W**

For cold applications on concrete surfaces, preferably primed, apply with Coperglue Base bituminous adhesive over horizontal areas and with Coperglue Vertical at parapets and elevations. For correct installation refer to information provided by Copernit Technical Department

STORAGE

Dry, cool

HEALTH AND SAFETY INFORMATION

- Ecology: According to local law.
- Transportation: Non hazardous.
- Toxic: Non toxic.
- Important notes: avoiding gas while installing.

The information, and, in particular, the recommendations relating to the application and end-use of COPENIT – distributed by VIETSTAR products, are given in good faith based on COPENIT's current knowledge and experience of the product when properly stored, handled and applied under normal conditions in accordance with COPENIT's recommendation. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. COPENIT reserves the right to change the properties of its products. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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