

IDROPOL

Compound
APP
Cold Flexibility
0°C
CHARACTERISTICS

IDROPOL is a polymer-modified waterproofing membrane obtained from the modification of distilled bitumen with poly-olefin based co-polymers. 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.

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

Underlay or intermediate layer in multi-layer systems for roof waterproofing (EN 13707)	IDROPOL 3,0 - 4,0 kg/m ²
Underlay or intermediate layer in multi-layer systems for roof waterproofing (EN 13707) - Foundations or ground waterproofing (EN 13969)	IDROPOL 3,0 - 4,0 mm
Waterproofing layer under slates or tiles (EN 13859-1)	IDROPOL MINERAL 3,5 - 4,0 - 4,5 kg/m ²

AVAILABLE SURFACE FINISHES

Upper surface IDROPOL: sand; upon request talc, TEX (non-woven black polypropylene "ready-to-paint" film) or plastic HDPE film.
 IDROPOL MINERAL: self-protection by means of slate flakes available in standard grey or other various colours 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

IDROPOL is recommended as a base sheet or intermediate layer in multi-layer waterproofing constructions for flat, pitched or vaulted roofs. 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 under slates or roof tiles on pitched roofs.
 Subject to the type of substrate IDROPOL membranes 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 IDROPOL membranes shall be installed using COPERGLUE BASE (over horizontal areas) or COPERGLUE VERTICAL (parapets and elevations) bituminous adhesives. Side laps, head joints and small repairs shall be made using COPERGLUE JOINT adhesive. For cold applications over insulation board (Polystyrene, PUR or PIR) CPERMAST bituminous mastic shall be used.
 For correct installation refer to information provided by Copernit Technical Department.

Properties	Test Method	Unit	IDROPOL 3,0-4,0 mm	IDROPOL 3,0-4,0 kg	IDROPOL MINERAL	Tol.
Length	EN 1848-1	m	10 (-1%)	10 (-1%)	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	1,0 (-1%)	1,0 (-1%)	≥
Unit weight (<i>versions specified by weight</i>)	EN 1849-1	kg/m ²	--	3,0 - 4,0	3,5- 4,0- 4,5	±10%
Thickness (<i>versions specified by thickness</i>)	EN 1849-1	mm	3,0 - 4,0	--	--	±10%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	400/300	400/300	400/300	±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	130/130	130/130	130/130	±30%
Resistance to static loading	EN 12730 (A)	kg	10	10	10	≥
Impact resistance	EN 12691	mm	700	700	700	≥
Dimensional stability	EN 1107-1	%	±0,3	±0,3	±0,3	≤
Flexibility at low temperature	EN 1109	°C	0	0	0	≤
Flow resistance at elevated temperature	EN 1110	°C	120	120	120	≥
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	--