

MFT MONO EXTRA MINERAL

Compound
MFT
Multi-Flex-Technology

CHARACTERISTICS

MFT MONO EXTRA MINERAL is an innovative range of multi-coating bituminous membranes made with the MFT Multi-Flex Technology, another result of the constant Copernit research, combining in one product the advantages of both APAO and SBS membranes.

MFT technology exceeds the traditional coating processes and gives the possibility to design the bituminous membrane by choosing three different bituminous compounds layers into the same product, depending on the final destination of use and required performances.

MFT MONO EXTRA MINERAL, in fact, is composed by the following three coats:

- Upper face: highly modified bituminous compound with selected poly-olefins and copolymers (APAO), giving an outstanding resistance to high temperatures and UV ageing
- Lower face: superior elastomeric compound made of distilled bitumen modified with SBS (Styrene-Butadiene-Styrene) polymers, which ensures extreme elasticity, ease of application and superior bonding and tightness of all joints and overlaps
- Reinforcement impregnation: special modified compound, made on purpose for the best pliability and resistance to mechanical stresses and perforation

MFT MONO EXTRA MINERAL is a membrane range of un-compromising quality, designed for use by professionals for professional applications where the waterproofing layers really must withstand static and dynamic forces as well as severe weathering and adverse climate conditions.

CARRIER

MFT MONO EXTRA MINERAL has a tough high-grade spunbond polyester carrier, isotropic and rot-proof, 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

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

MFT MONO EXTRA MINERAL
5,0 kg/m²

AVAILABLE SURFACE FINISHES

Upper surface 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 TEX finishing on the lower surface is recommended.

USE & APPLICATION

MFT MONO EXTRA MINERAL 5,0 kg is indicated as a cap sheet, without other types of protection, in multi-layer waterproofing systems.

Subject to the type of substrate MFT MONO EXTRA MINERAL 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 MFT MONO EXTRA MINERAL 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) COPERMAST bituminous mastic shall be used.

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

Properties	Test Method	Unit	MFT MONO EXTRA MINERAL 5,0 kg	Tol.
Length	EN 1848-1	m	8 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Unit weight	EN 1849-1	Kg	5,0	±10%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	1000/800	±20%
Elongation (at break) L/T	EN 12311-1	%	50/50	±15
Tear resistance (nail test) L/T	EN 12310-1	N	300/300	±30%
Resistance to static loading	EN 12730 (A)	kg	25	≥
Impact resistance	EN 12691	mm	1250	≥
Dimensional stability	EN 1107-1	%	±0,5	≤
Flexibility at low temperature- <i>upper surface</i>	EN 1109	°C	-20	≤
Flexibility at low temperature - <i>lower surface</i>	EN 1109	°C	-20	≤
Flow resistance at elevated temperature- <i>upper surface</i>	EN 1110	°C	140	≥
Flow resistance at elevated temperature - <i>lower surface</i>	EN 1110	°C	100	≥
Watertightness (method A)	EN 1928	kPa	60	≥
Resistance to water vapor diffusion (μ)	EN1931	--	20.000	--
Reaction to fire	EN 13501-1	Class	E	--
Resistance to external fire	EN 13501-5	Class	F roof	--

For complete product information and correct installation, refer to the "MFT MULTI-FLEX TECHNOLOGY" catalogue provided by Copernit.