



Enduring Quality

DERMABIT® EXTRA DERMABIT® CASALI DERMABIT® EXTRA

APP-APAO

DERMABIT®



PROJECT SPECIFICATIONS: single and multi-layer solutions for large commercial and industrial roofing, residential buildings, large metal structures with and without insulation, exposed waterproofing systems mechanically fixed, roofing with photovoltaic panels, waterproofing foundations, retaining walls and large structures in general.

REINFORCEMENTS: polyester with high mechanical properties and excellent dimensional stability.

FINISHES: sand, mineral self-protection in different colours.

PLUS: an APAO synthesis engineering polymer based compound that ensures a thermal operating range of -25°C/+150°C, high elasticity, excellent resistance to atmospheric ageing, perfect joint seal and excellent adhesion to any type of deck, high resistance to mechanical and thermal stress; the family of Dermabit® membranes has been certified by the most prestigious certification institutes such as BBA, ITC, BRANZ and have been used for more than 40 years in more than thirty countries all over the world. Dermabit Mineral Fire Off is a fire resistant certified version classified as Broof (t₂) according to EN 13501-5.





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DERMABIT®	STANDARD	U.M.	DERMABIT EXTRA 40180	DERMABIT EXTRA 4 mm	DERMABIT 30160	4170 CASALI DERMABIT EXTRA	43170 CASALI DERMABIT EXTRA	DERMABIT 40250 - 50250	DERMABIT Fire Off (F.O.)
Finishing	-	-	SAND	MINERAL	SAND	SAND	MINERAL	SAND	MINERAL
Reinforcement type	-	-	HSP POL	HSP POL	SP POL	HSP POL	HSP POL	GS POL	HSP POL
Thickness	EN 1849 - 1	mm	4	4*	3	4	4*	4 / 5	4*
Weight	EN 1849 - 1	kg	4	5,2	3	4	5,2	4 / 5	5,2
Maximum Tensile Force LONGITUDINAL / TRASVERSAL	EN 12311-1	N/5cm	900 / 700	900 / 700	700 / 600	850 / 650	850 / 650	1200 / 900	850 / 650
Elongation at break LONGITUDINAL / TRASVERSAL	EN 12311-1	%	45 / 45	45 / 45	40 / 40	40 / 40	40 / 40	45 / 45	40 / 40
Tearing resistance LONGITUDINAL / TRASVERSAL	EN 12310 - 1	N	200 / 200	200 / 200	150 / 150	170 / 170	170 / 170	220 / 240	170 / 170
Flow resistance at elevated temperature	EN 1110	°C	150	150	150	150	150	150	150
Flexibility at low temperatures	EN 1109	°C	-25	-25	-20	-20	-20	-20	-20
Dimensional stability	EN 1107-1	%	±0,2%	±0,2%	±0,3%	±0,2%	±0,2%	±0,2%	±0,2%
Thermal ageing in air VARIATION OF LOW TEMPERATURE FLEXIBILITY	EN 1296 EN 1109	Δ°C	5	5	5	5	5	5	5
Peel resistance of joints	EN 12316-1	N/5cm	40	40	40	40	40	40	40
External fire performance	EN 13501-5	Class	F roof	F roof	F roof	F roof	F roof	F roof	B roof (t2)

* THICKNESS MEASURED EXCLUDING MINERAL FINISHING

Reinforcement - POL: standard performance stabilized non woven polyester / SP POL: medium performance stabilized non woven polyester / HSP POL: high performance stabilized non woven polyester / GS POL: special performance stabilized non woven polyester for great structure / GLASS FIBRE: fibre glass mat reinforced with threads / ALL + POL: aluminium foil coupled with non woven polyester - Finishing - MINERAL: slated / SAND: sanded / PBS: Polyethylene on both sides.

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IMPROVING WATERPROOFING PERFORMANCE OF DERMABIT®, SAVING ENERGY, WITH DERMACOLOR COOL ROOF

Dermacolor Cool Roof is a high-reflectance synthetic resin-based white paint in water emulsion, which thanks to a special formulation containing special glass micro-spheres, is used to protect bitumen-polymer waterproofing membranes against UV radiation, significantly lowering the surface temperature (by up to 40°C with respect to a black membrane). This attenuates the urban heat island effect and reduces damage to waterproof systems installed on roofs, giving a considerable energy saving due to reduced use of the air conditioning system of the building.

Dermacolor Cool Roof was tested for its Solar Reflection Index (SRI) obtaining the excellent result of 103.5 (Test Report No. 313875 issued by the Giordano Institute on 05/03/2017). The SRI index indicates the ability of a material to reflect ultraviolet rays, so that the higher the index the greater the solar rays transmitted by the material will be, meaning that less heat is accumulated and transmitted to the rooms below; tests carried out on the polymer bitumen membrane Casali Dermabit®.



DERMACOLOR COOL ROOF (pg. 44)

Slated Self Protection available for Dermabit®
 Other finishing, on request. For finishing details refer to pg. 34

