

TECHNICAL SPECIFICATIONS SOLID SURFACE - ACRYMOLD®

COMPOSITION: Solid material for surfaces, non-porous and homogeneous, manufactured by mixing 1/3 of resin-modified polyester with polymethyl methacrylate (PMMA) and 2/3 of natural minerals.

The main ingredient is the alumina trihydrate (ATH) mineral, a bauxite derivative, used as the base for the aluminium production.

The colour is the matt white and the material structure is homogeneous in all its thickness and it is not damaged nor become detached, it can be united without visible joints. Surfaces are renewable, they can be perfectly restored with an abrasive detergent and a scourer. This way, for example, burns of cigarettes are easily removed. Damages caused by an inappropriate use can be easily repaired in situ, and there is no need to replace the whole piece.

As solid surface is a non-porous material, it is hygienic and does not allow the development of any mold, bacteria into the joints, nor undersurface. It is an inert and innocuous material under normal temperature conditions and there is no gas emission.

PROPERTIES AND TESTS RESULTS

PROPERTIES	TEST	RESULT	UNIT
DENSITY	DIN ISO 1183		1,800 g/cm ³
FLEXION MODULE	DIN EN ISO 178		50 MPA
ELONGATION	DIN EN ISO 178		0,55%
COMPACTION RESISTANCE	DIN EN ISO 178		110 MPA
IMPACT RESISTANCE (CHARPI)	ISO 179		3 KJ/ CM ²
WATER IMMERSION RESISTANCE	DIN ISO 4586		0,15
MOLD AND BATERIA RESISTANCE	DIN EN ISO 846	HELPS TO THE NON- PROLIFERATION	
STAIN RESISTANCE		VERY GOOD	
TRACTION RESISTANCE	EN ISO 13934-1		45 MPA
MOHS SCALE HARDNESS	MOHS		3
TABER ABRASION RESISTANCE	TABER		580 MG
BARCOL HARDNESS TEST			60