

LAUDO TÉCNICO ESPELHO

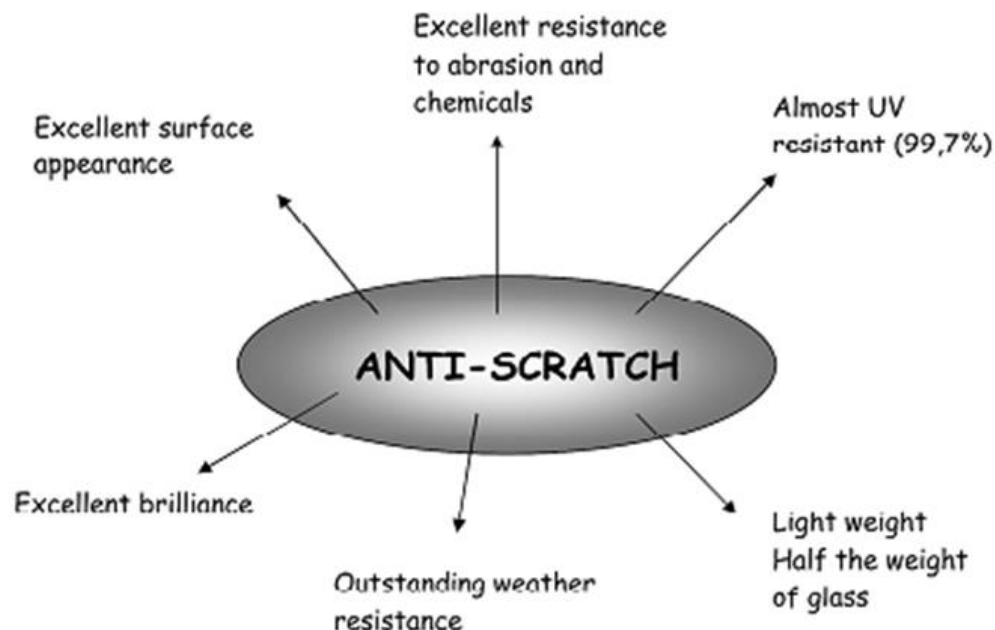
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ANTI-SCRATCH MIRROR

Silver Mirror Anti-scratch Extruded PMMA Sheet

The sheet is coated on one side and is particularly recommended for demanding applications exposed to heavy wear and frequent cleaning with a resistant surface to abrasion and chemicals.



Product range

The sheets are available in the following sizes and thicknesses:

3050x2050 mm from 2 up to 6 mm



Technical data

CHEMICAL RESISTANCE* (Anti-scratch side)	ANTI- SCRATCH SHEET	UNCOATED SHEET
Acetone	> 24 hrs	< 15 min
Citric acid (10%)	> 24 hrs	> 24 hrs
Disinfectant	> 24 hrs	> 24 hrs
Ethyl alcohol (96%)	> 24 hrs	< 24 hrs
Ethyl acetate and butyl acetate (1:1)	> 24 hrs	< 15 min
Gasoline	> 24 hrs	< 24 hrs
Hydrochloric acid (32%)	> 24 hrs	> 24 hrs
Isopropyl alcohol	> 24 hrs	> 24 hrs
Methyl alcohol	> 24 hrs	< 24 hrs
Sodium carbonate (10%)	> 24 hrs	> 24 hrs
Sodium chloride (15%)	> 24 hrs	> 24 hrs
Sodium hydroxide (30%)	> 24 hrs	> 24 hrs
Sulfuric acid (30%)	> 24 hrs	> 24 hrs
Toluene	> 24 hrs	< 15 min

* The chemical resistance test is performed in accordance with DIN EN 12720. The sheet surfaces are visually examined at the following intervals: 15 min, 1 hour and 24 hours. The surface shows no change after the stated time. The test surface cannot be distinguished from the surrounding area.



PHYSICAL PROPERTIES (clear material, 3 mm thickness)	TEST STANDARD	UNIT	ANTI- SCRATCH SHEET	UNCOATED SHEET
Mechanical properties				
Tensile strenght	DIN EN ISO 527	MPa	67,5	72
Modulus of elasticity	DIN EN ISO 527	MPa	3450	3300
Impact strength	DIN EN ISO 527	kJ/m ²	10	15
Thermal properties				
Vicat softening point	ISO 306, method B 50	°C	106	103
Flame resistance	DIN 4102		B2	B2
	DIN EN 13501		E	E
Toxicity	ATM 3.0005		meets requirements	meets requirements
Smoke density	ATM 2.0007 / FAR 25.853		meets requirements	meets requirements
Abrasion resistance of coating				
Taber abrasion	ISO 9352	% Haze	< 3	20 - 30
Falling sand test	DIN 52348	cd/(lx·m ²)	2,3	22
Pencil hardness	DIN EN 15523-4		5H	2H
Adhesion	DIN EN ISO 2409		GT 0	-

Note:

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