

the max.

/R1

MAX Resistance
The Compact Laminate for extreme demands



Resistance

MAX

o n t o p



MAX Resistance offers resistance in the laboratory.

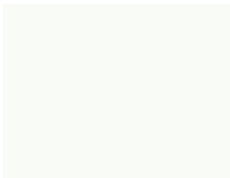


No experiments! If you are looking for a worktop panel, that resists even the most aggressive chemicals in extreme working conditions of the laboratory sector, there is only one choice: MAX Resistance. Because the surface, protected with a dual cured urethane acrylic coating has proven itself to be unaffected by solvents and chemicals. Easy to clean and disinfect, it extends the serviceable life of your equipment (worktop panels, walls, tables etc.) enormously.

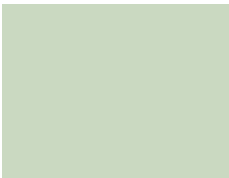
Additional benefits: MAX Resistance is dye-resistant and shows great mechanical resistance. If you know the heart of the matter, you will immediately know why. With MAX Resistance, it consists namely of approved and tested raw materials. Compressed under high pressure, emerges such a unique, homogenous panel. Without joints. Fully enclosed. And therefore resistant against the penetration of moisture. And truly permanently!

MAX Resistance: Ideal for all types of laboratories, in the hygienic sector, for research centres, hospitals or doctor's surgery, photo laboratories, the foodstuffs industry and everywhere, where absolute cleanliness of a highly resistant surface is demanded.

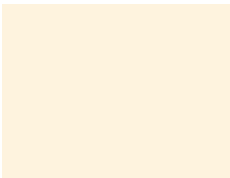
Collection
MAX Resistance



0085 RE White



0663 RE Reseda Green



0851 RE Winter White



0741 RE Birch Grey



0074 RE Pastel Grey



0075 RE Dark Grey



0080 RE Black

Colour variations from the original decors can be caused by the printing technology.



Takes a lot of punishment

Due to a dual cured and highly crosslinked urethane acrylic coating, MAX Resistance is

- easily cleaned and disinfected
- resistant against chemicals, dyestuffs, solvents
- has a particularly long serviceable life





Product characteristics:

Surface: RE

Size: XL (4100 x 1850 mm)

Thicknesses:

Panels with doublesided decor: 4 – 20 mm

Transport protection by protective film

Processing

MAX Resistance can be machined just as easily and professionally as a MAX Compact Laminate with the same tungsten-carbide tipped tools. Whether profiling edges, milling or sanding.

For the precise machining guidelines, please refer to our Technical Information No. 3.



Innovation, that passes every test.

With MAX Resistance you back a proven resisting potential. Confirmed and distinguished by ofi, the Austrian research institute for chemistry and technology. (Test reports 46.197-1 or 2057)



24-hr-Test Disinfecting capability

according to ofi test report 2057

	E. Coli DSM 787		St. Aureus DSM 346	
	MAX Resistance	OP-tile	MAX Resistance	OP-tile
Initial values	5,0	4,9	4,9	4,9
Ethanol 70%	5,0	4,9	4,9	4,9
Formalin 5%	5,0	4,9	4,9	4,9
p-Chloro-m-cresol 0,3%	5,0	4,9	4,9	4,9
Tosylchloramid 5%	5,0	4,9	4,9	4,9
B.A.C. (Alkyl-Dimethylbenzylammoniumchloride) 0,1%	5,0	4,9	4,9	4,9
Buraton	5,0	4,9	4,9	4,9
Betaisodona	5,0	4,9	4,9	4,9

MAX Resistance showed complete disinfecting capability against the test group E. Coli DSM 787 and St. Aureus DSM 346 with all disinfecting agents.

log¹⁰-values of KBE/ml

24-hr-Test Resistance against chemicals

according to ofi test report 46.197-1

Substance	Concentration	Assessment / Classification*)	
		White	Pastel Grey
Hydrochloric acid	37%	5	5
Sulphuric acid	97%	5	5
Nitric acid	65%	2	2
Phosphoric acid	85%	5	5
Aqua regia		3	3
Acetic acid	98%	5	5
Sodium hydroxide-solution	20%	5	5
Silver nitrate	10%	3	3
Formic acid	98%	5	4
Potassium iodide-solution	10%	4	4
Iodine	solid state	3	3
Methyl red alk.	1%	5	5
Hydrofluoric acid	40%	5	3
H ₂ O ₂	30%	5	5
Chromic acid cleaning mixture		5	5
KMnO ₄	10%	5	5
Iron (III) chloride	10%	4	4
Copper sulphate	10%	5	5
Sodium hypochlorite	13%	5	5

MAX Resistance shows excellent resistance against acids, alkaline solutions, colouring and corrosive saline solutions, oxidising and bleaching substances.

24-hr-Test Stain-insensitivity with dyestuff contact

according to ofi test report 46.197-1

Substance	Concentration	Assessment / Classification*)	
		White	Pastel Grey
Acridine orange	1%	5	5
Fuchsine	1%	5	5
Carbolic-Fuchsine	1%	3	5
Malachite green-oxalate	1%	5	5
Methylene blue	1%	4	4
Methylene violet 2B	1%	5	5
Wright's stain	1%	5	5
Gentian violet	1%	5	5

MAX Resistance reacts on contact with indicators, dying reagents and dyestuffs in medicine with no surface damage at all.



24-hr-Test Resistance against disinfecting agent

according to ofi test report 46.197-1

Substance	Concentration	Assessment / Classification*)	
		White	Pastel Grey
Ethanol	70%	5	5
Formalin	5%	5	5
p-Chloro-m-cresol	0,3%	5	5
Chloramine T	5%	5	5
Alkyl-DMB-AC-BC	0,1%	5	5

MAX Resistance showed no change in the surface when treated with all common disinfecting agents.

* Assessment scale:

Classification 5..... no visible change

Classification 4..... slight change in degree of lustre and/or colour, only visible from certain points of view

Classification 3..... moderate change in degree of lustre and/or colour

Classification 2..... significant change in degree of lustre and/or colour

Classification 1..... surface damage and/or formation of blistering

24-hr-Test Resistance against solvents

according to ofi test report 46.197-1

Substance	Assessment / Classification*)	
	White	Pastel Grey
Acetone	5	5
Ethanol	5	5
n-Butylacetate	5	5
Toluene	5	5
Trichloroethene	5	5
Hexane	5	5
THF	5	5

MAX Resistance is absolutely resistant against ketones, alcohols, esters, aromats, chlorinated and aliphatic hydrocarbons and ethers.

Slight deviations in the assessment are possible among the various colours.

No guarantee can be derived from the tested values for the resistance of the surface against other chemicals, dyestuffs, solvents and disinfecting agents, combinations of various chemicals and the effect under intensified conditions (e.g. increased temperature, prolonged reaction periods). In this case it is recommended to carry out your own tests.

