EP2500 SELF-SMOOTHING FLOOR

Chemical resistance list for Arturo EP2500 Self-smoothing Floor

Media group / chemicals		Duration of exposure [d] Test criteria		
		1 day	3 days	7 days
1	Petrol	G:2 F:1 Q:0	G:3 F:2 Q:0	G:3 F:2 Q:0
2	Aviation fuel	G:0 F:0 Q:0	G:0 F:0 Q:0	G:0 F:0 Q:0
3	Heating oil	G:0 F:0 Q:0	G:0 F:0 Q:0	G:0 F:0 Q:0
3a	Diesel	G:0 F:0 Q:0	G:0 F:0 Q:0	G:0 F:0 Q:0
4	Hydrocarbons and benzene-containing mixtures	G:2 F:2 Q:1	G:3 F:2 Q:2	G:4 F:3 Q:3
4a	Benzene and benzene-containing mixtures	G:2 F:2 Q:-	G:3 F:2 Q:1	G:3 F:2 Q:2
4b	Crude oil	G:0 F:0 Q:0	G:0 F:0 Q:0	G:0 F:0 Q:0
5	Monovalent and polyvalent alcohols	G:2 F:2 Q:0	G:3 F:2 Q:1	G:5 F:4 Q:2
6b	Aromatic halogenated hydrocarbons	G:2 F:2 Q:1	G:3 F:3 Q:2	G:3 F:3 Q:3
7	Organic esters and ketones, excluding biodiesel	G:1 F:1 Q:0	G:3 F:2 Q:2	G:3 F:3 Q:3
7b	Biodiesel in accordance with DIN EN 14214	G:1 F:1 Q:0	G:2 F:1 Q:0	G:4 F:4 Q:0
8	Aqueous solutions, aliphatic aldehydes	G:2 F:2 Q:1	G:2 F:2 Q:1	G:2 F:2 Q:0
9	Aqueous solutions of organic acids	G:3 F:2 Q:0	G:3 F:3 Q:2	G:3 F:3 Q:2
10	Inorganic acids and their salts	G:3 F:2 Q:0	G:3 F:2 Q:0	G:4 F:4 Q:1
11	Inorganic bases	G:0 F:0 Q:0	G:1 F:0 Q:0	G:1 F:0 Q:0

12	Aqueous solutions of non-oxidising inorganic salts	G:0 F:0 Q:0	G:1 F:0 Q:0	G:1 F:0 Q:0
13	Amines and their salts	G:3 F:2 Q:2	G:3 F:2 Q:2	G:3 F:3 Q:4
14	Aqueous solutions of organic surfactants	G:2 F:1 Q:0	G:3 F:1 Q:1	G:3 F:3 Q:1
Individual media	Ketchup	G:2 F:2 Q:0	G3 F:2 Q:0	G:3 F:3 Q:0
	Red wine	G:2 F:2 Q:0	G:2 F:2 Q:0	G:2 F:2 Q:0
	Vegetable juice	G:1 F:1 Q:0	G:2 F:2 Q:0	G:3 F:3 Q:0
	Fruit juice	G:2 F:1 Q:0	G:2 F:1 Q:0	G:3 F:2 Q:0
	Beer	G:2 F:2 Q:0	G:3 F:3 Q:0	G:3 F:3 Q:2
	Salts (sodium sulphate 20% in water)	G:0 F:0 Q:0	G:1 F:0 Q:0	G:2 F:2 Q:0

F: Colour
G: Gloss
Q: Swelling

Evaluation

0 No visible change
1 Just perceptible changes to the gloss and colour
2 Slight changes to the gloss and colour but no change to the structure
3 Significant marking visible but the structure is essentially undamaged
4 Significant marking visible and changes to the structure
5 Major changes and the structure is destroyed

The chemical resistance tests were carried out over a period of 1, 3 and 7 days in accordance with DIN EN ISO 2812-3. For each test a 50 mm diameter filter paper was placed on the test specimen, wetted with the relevant liquid and covered with a 60 mm hour glass.

Note:
Despite having suitable chemical resistance, in some cases the optical appearance can be adversely affected. The functionality of the floor coating, however, remains intact and there is no effect on the mechanical performance.

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