



Chemical Resistance EN 13529 at +23°C

Mapefloor CPU TC

Chemical – Test group	1 day immersion	1 day spillage	3 days immersion	3 days spillage	28 days immersion	28 days spillage
Group 9 – Aqueous solutions of organic acids up to 10%	R/D	R/D	R/D	R/D	R/D	R/D
Group 10 – Inorganic acids up to 20% and acid hydrolyzing salts in aqueous solution (pH<6)	R/D	R/D	R/D	R/D	R/D	R/D
Group 11 – Inorganic bases and their alkaline hydrolyzing salts in aqueous solutions (pH >8)	R/D	R	R/D	R	R/D	R/D
Group 12 – Solutions of inorganic non-oxidizing salts showing a pH=6÷8	R/D	R	R/D	R	R/D	R/D
Lactic acid 30%	R/D	R/D	R/D	R/D	R/D	L/D
Lactic acid 80%	R/D	R/D	R/D	R/D	R/D	L/D
Hydrochloric acid 37%	R/D	R/D	R/D	R/D	R/D	L/D
Nitric acid 30%	R/D	R/D	R/D	R/D	R/D	R/D
Nitric acid 40%	R/D	R/D	R/D	R/D	R/D	L/D
Sulphuric acid 50%	R/D	R/D	R/D	R/D	R/D	R/D
Sulphuric acid 70%	R/D	R/D	R/D	R/D	NR	NR
Sulphuric acid 96%	R/D	R/D	R/D	R/D	NR	NR
Phosphoric acid 80%	R/D	R/D	R/D	R/D	R/D	R/D



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Legend:

R= Resistant: the coating is resistant, meaning stable and unchanged for the stated time limit. A slight decrease in hardness does not affect the mechanical performance

L= Limited resistant : the coating offers limited resistance only. One can expect swelling and consequent moderate loss of hardness.

NR = Not resistant : the coating is not resistant. A softening occurs followed by the destruction of the coating and/or forming of bubbles.

D = Discolouration and/or loss of gloss: under effect of chemicals the coating discolours and loses its gloss. This is irreversible.