

EP3020 FLOOR COATING

Chemical resistance list for Arturo EP3020 Floor Coating

| Media group / chemicals | | Test liquid | Duration of exposure [d] | | |
|-------------------------|---|--|--------------------------|--------------|--------------|
| | | | Test criteria | | |
| | | | 1 day | 3 days | 7 days |
| 1 | Petrol, Super and Normal (in accordance with DIN EN 228:2004-03) with max. 5 vol. % (bio)ethanol (in accordance with DIN 15376:2009-11) | 47.5 vol. % toluene 30.4 vol. % isooctane 17.1 vol. % n-heptane 3.0 vol. % methanol 2.0 vol. % tert. butanol | G:0 F:0 | G:0 F:0 | G:1 F:1 |
| 3 | Heating oil EL (in accordance with DIN 51603-1), unused combustion engine oil, unused vehicle transmission oil, mixtures of saturated and aromatic hydrocarbons having an aromatic content ≤ 20 mass % and a flash point > 55°C | Test mixture F (DIN ISO 1817) comprising: 80 vol. % n-paraffins (C12-C18) 20 vol. % 1-methylnaphthalene | G:0 F:0 | G:0 F:0 | G:0 F:0 |
| 5 / 5b | Simple alcohols and polyols (up to max. 48 vol. % methanol and ethanol, glycol, polyglycol, their monoethers and their aqueous mixtures) | 48 vol. % methanol 48 vol. % isopropanol 5 vol. % water | G:0 F:0 | G: 1 F: 1 | G: 1 F: 2 |
| 5a | All alcohols and glycol ether | | | | |
| 9 | Aqueous solutions of organic acids (carboxylic acids) at concentrations up to 10% as well as their salts (in aqueous solution) | Aqueous acetic acid (10% solution) | G:1 F:0 | G: 1 F: 1 | G: 1 F: 2 |
| 10 | Mineral acids up to 20% as well as acidic inorganic salts in aqueous solution (pH <6), except hydrofluoric acid and oxidising acids and their salts | Sulphuric acid (20% solution) | G: 1 F: 1 | G: 1 F: 4 | G: 2 F: 5 |
| 11 | Inorganic bases and alkaline inorganic salts in aqueous solution (pH >8), except ammonia solution and oxidizing solutions of salts (e.g. hypochlorite) | Sodium hydroxide (20% solution) | G: 0 F: 0 | G: 2 F: 2 | G: 2 F: 2 |
| 14 | Aqueous solutions of organic surfactants | 3 vol. % Texapon NSO 2 vol. % Marlipal O 13/80 95 vol. % water | G: 0 F: 0 | G: 2 F: 2 | G: 2 F: 2 |
| Individual media | Coolant | | G:0/F:0 | G:0/F:1 | G:1/F:1 |
| | Deicing fluid | | G:0/F:0 | G:0/F:0 | G:0/F:0 |
| | Engine oil | | G:0/F:0 | G:0/F:0 | G:0/F:0 |
| | Plant oil | | G:0/F:0 | G:0/F:0 | G:0/F:0 |
| | Cola | | G:0/F:1 | G:1/F:2 | G:2/F:2 |
| | Ketchup | | G:0/F:0 | G:0/F:0 | G:1/F:1 |
| | Mustard | | G:0/F:0 | G:1/F:1 | G:1/F:1 |
| | Red wine | | G:1/F:1 | G:2/F:2 | G:2/F:2 |
| | Coffee | | G:1/F:1 | G:2/F:3 | G:3/F:3 |
| | Acidic cleaning agents (in application-ready concentration) | | G:1/F:0 | G:2/F:1 | G:3/F:2 |
| | Alkaline cleaning agents (in application-ready concentration) | | G:0/F:0 | G:1/F:1 | G:3/F:3 |
| | Disinfectant (chlorine-containing) | | G:0/F:1 | G:1/F:2 | G:3/F:3 |
| | Disinfectant "Sagrotan" (in application-ready concentration) | | G:1/F:1 | G:1/F:1 | G:2/F:2 |

F: Colour
G: Gloss

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

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