

Examples of the Chemical Resistance of Xylan Coatings

Chemical	Xylan 1014	Xylan 1400	Xylan 1424
HCl (concentrated) at room temperature ⁽¹⁾	Severe blisters, rust	Severe blisters, rust	No effect
HCl (pH 2) at room temperature ⁽¹⁾	Slight marks	Slight marks	No effect
HCl (pH 2) at 125°F ⁽¹⁾	Slight marks	Slight marks	No effect
NaOH (50%) at room temperature ⁽¹⁾	Severe failure, blisters	No effect	No effect
NaOH (pH 12.5) ⁽¹⁾	Severe failure, blisters	No effect	No effect
NaOH (pH 9.5) at room temperature ⁽¹⁾	Slight marks	No effect	No effect
NaOH (pH 9.5) at 125°F ⁽¹⁾	Slight marks	Very slight marks	No effect
MEK at room temperature ⁽¹⁾	Slight marks	Slight marks	Slight marks
Toluene at room temperature ⁽¹⁾	Slight marks	Slight marks	Slight marks
Ethylene glycol at room temperature ⁽¹⁾	No effect	No effect	No effect
Salt spray for 1488 hours	20% red rust, adhesion loss	15% red rust, dense edge blistering	<15% red rust
Kesternich	4 cycles, 20+%, red rust, adhesion loss	30 cycles, 1% red rust, blistering	30 cycles, <15% red rust
Castrol Hydraulic Fluid at 200°F ⁽²⁾	Not recommended	Gloss decrease, no loss in coating integrity	Gloss decrease, no loss in coating integrity
W. Canning Oceanic HK-540 at 200°F ⁽²⁾	Not recommended	Gloss decrease, no loss in coating integrity, slight color lightening	Gloss decrease, no loss in coating integrity, slight color lightening

(1) = 24-hour chemical spot tests (ASTM D1308-79).

(2) = Immersion tests.