

CHEMICAL RESISTANCE

REAGENT RESISTANCE REFERENCE CHART

OVERVIEW

This chemical resistance chart provides a comprehensive overview of the performance of various Floorguard resinous coatings when exposed to common industrial and commercial chemicals. The chart categorizes resistance levels to acids, alkalis, solvents, alcohols, hydrocarbons, and specialty chemicals, indicating which coatings are suitable for splash, spill, or continuous contact exposure.

Designed as a quick-reference tool, the chart enables comparisons of the chemical durability of different coating products to make informed decisions for specific applications. Color-coded indicators simplify assessment, highlighting coatings that provide excellent, moderate, or poor resistance to chemical exposure, helping to optimize maintenance, longevity, and safety.

Recommendation: Because chemical resistance can vary with concentration, exposure time, temperature, and installation conditions, it is strongly recommended to test the flooring system under actual environmental conditions on a small sample area before full-scale application. This ensures verification of compatibility and performance for the specific chemicals and operational conditions present in the facility.

REAGENTS	HyperCURE	HyperBOND	DT 454	HyperFLEX	HyperREZ UV	HyperFLOW	HyperCRETE	Polyurea Basecoat	Aspartic 85/100	ZioTHANE
Acetic Acid 0-5%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Acetic Acid 5-10%	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited
Acetic Acid 10-20%	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid
Sulfuric Acid 0-10%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Sulfuric Acid 10-20%	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited
Sulfuric Acid 20-50%	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid
Hydrochloric Acid 0-5%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Hydrochloric Acid 5-10%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Limited	Limited	Limited	Limited
Hydrochloric Acid 10-20%	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid
Nitric Acid 0-1%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Nitric Acid 1-5%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Limited	Limited	Limited	Limited
Nitric Acid 5-20%	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid
Sodium Hydroxide 0-10%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Sodium Hydroxide 10-25%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Sodium Hydroxide 25-50%	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Trichloroethane	Limited	Limited	Limited	Limited	Limited	Limited	Avoid	Avoid	Avoid	Avoid
Methanol	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Limited	Limited	Limited	Limited
Xylene	Limited	Resistant	Resistant	Limited	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Methyl Ethyl Ketone (MEK)	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid	Avoid
Gasoline / Hydrocarbons	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Ethyl Alcohol	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Ethylene Glycol	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Skydrol	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Sodium Hypochlorite (Bleach)	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Limited	Avoid
Urea	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

LEGEND:

RESISTANT

Highly Resistant;
Long-term exposure to
72-hour immersion

LIMITED

Moderate Resistance;
Splash/Spill 2-8 hour
exposure

AVOID

Poor Resistance;
Not Recommended