

CHEMICAL RESISTANCE CHART FOR TUFFSHIELD™ 801

The following chemical resistance data were obtained from a 70-75 mils film of TUFFSHIELD™ 801 immersed in each chemical listed below at 70-75 degF for a period of 7 days. Like other industrial maintenance coatings, TUFFSHIELD™ 801 has chemical and temperature limitations. Please read the disclaimer below. For chemicals other than those listed below, proper testing must be completed prior to application of the coating system. It is advisable to consult your local Polycoat representative.

CHEMICAL SOLVENTS

Xylene	4
Toluene	4
Acetone	3
2 Methyl Butane	1
MTBE	2
HEXANE	2

CHEMICAL SOLVENTS

Motor Oil	2
Gasoline (unleaded)	1
Diesel	1
Brake Fluid	2
Hydraulic Oil	1
Methanol	4
Crude Sludge	1

ACIDS and BASES

Sewage	1
Hydrogen Sulphide gas (H ₂ S gas)	1
Hydrochloric Acid 35%	4
Hydrochloric Acid 10%	1
Hydrochloric Acid 5%	1
Propylene Carbonate	3
Acetic Acid, 10%	1
Phosphoric Acid, 10%	1
Ammonium Hydroxide 10%	1
Ammonium Hydroxide 20%	1
Sodium Hydroxide 50%	2
Salt Water (10%)	1
Drinking Water	1
De-Ionized Water	1

Sulphuric Acid 60%	4
Sulphuric Acid 30%	5
Sulphuric Acid 10%	1
Sulphuric Acid 5%	1
Potassium Hydroxide 10%	1
Potassium Hydroxide 20%	2
Sodium Hydroxide 10%	1
Sodium Hydroxide 20%	2
10% Sugar/Water	1

CHART KEYS:

- 1: no visible damage
- 2: little visible damage
- 3: some effect swelling, discoloration, cracking
- 4: not recommended
- 5: satisfactory for splash, spillage and secondary containment (72-96 hours)

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Test performance results were obtained in a controlled environment and POLYCOAT PRODUCTS makes no claim that these tests or other tests, accurately represent all environments. Application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating.

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TUFFSHIELD™ 801 CHEMICAL RESISTANT