



# POLYCOAT PRODUCTS

A Division of American Polymers Corp.

## POLYEURO® MPL 11 / MPL 55 Chemical Resistance Spot Testing

The following chemical resistance spot testing data were obtained from a 70-75 mils film of Polyeuro® MPL 11/MPL 55 in each chemical listed below at 70-75°F for a period of 72-96 hours. Like other industrial maintenance coatings, Polyeuro® MPL 11/MPL 55 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 Products representative.

### CHEMICAL SOLVENTS:

Xylene	4
Toluene	4
Acetone	3/5
2 Methyl Butane	1
MTBE	3/5
HEXANE	3/5
Motor Oil	2
Gasoline (unleaded)	1
Diesel	1
Brake Fluid	2
Hydraulic Oil	1
Methanol	4

### ACIDS AND BASES:

Sewage	1
Hydrogen Sulphide gas (H <sub>2</sub> S gas)	1
Hydrochloric Acid 35%	4
Hydrochloric Acid 10%	1
Hydrochloric Acid 5%	1
Propylene Carbonate	3
Lactic Acid, 45%	2
Phosphoric Acid, 10%	1
Ammonium Hydroxide 10%	1
Ammonium Hydroxide 20%	1
Sodium Hydroxide 50%	2
Salt Water (30%)	1
Drinking Water	1
De-Ionized Water	1

### ACIDS AND BASES, cont'd.:

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
10-30% Sugar/Water	1
Acetic Acid 2%	1
Acetic Acid 5%	1
Acetic Acid 10%	1
Acetic Acid 50%	4
Formic Acid 2%	1
Formic Acid 5%	1
Formic Acid 10%	2

### 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)

**DISCLAIMER:** All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. This information relates to the specific material designated and may not be valid for such material used in combination with any other material or in any process. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use and user assumes all risk and liability resulting from his use of the product. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer.

Test performance results were obtained in a controlled environment and POLYCOAT PRODUCTS makes no claim that these tests or any 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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