



**DESCRIPTION**

**727 IM-KOTE™ LINER** is a seamless trowel applied resurfacing system for use on vertical substrates.

**BASIC USES**

- Chemical resistant liner for tanks, silos, trenches etc.
- Rebuild and restore structural integrity of spalled or damaged supports
- Build cove bases on 724 IM-KOTE™ FLOOR Overlay applications.

**MAJOR ADVANTAGES**

- One hour cure time even at sub-zero temperatures.
- Hard, abrasion resistant surface.
- Chemical resistant
- Complete Ultra-Violet stability
- Approved by Agriculture Canada for incidental food contact.

**TECHNICAL AND PRODUCT DATA**

<b>Resin Maxtrix</b>		No. of Components	
<ul style="list-style-type: none"> <li>• Compressive strength</li> <li>• Tensile strength</li> <li>• Flexural strength</li> </ul>	23,000 psi (159 MPa) 11,000 psi (76 MPa) 17,000 psi (117 MPa)	Packaging	Three: (Base resin, catalyst and Aggregate Blend  Pre-packaged in proportioned batches to eliminate job site errors. 4L pail(1 gal) Part A complete with preportioned Part B and pre-weighed bag of Aggregate. 20Lpail(5 gal) Part A complete with 5 preportioned units of Part B and 5 pre-weighed bags of Aggregate
<ul style="list-style-type: none"> <li>• Barcol Hardness</li> <li>• Flash Point</li> <li>• Viscosity at 25°C</li> <li>• Specific Gravity</li> <li>• Net Weight</li> <li>• Solids by volume</li> <li>• Abrasion resistance -weight loss</li> <li>• Weatherometer-500 hrs.</li> <li>• Water Absorption -72 hrs immersion</li> </ul>	45—50 32°C/90°F 300-650 cps 1.1—1.2 1kg/L 100% 0.9 gm no change .074%	Coverage  Colours	One batch covers 20 sq. ft. at a nominal 3/16” thickness. Light Tan
<b>Mixed Product</b>		Finish	Slip resistant, monolithic.
<ul style="list-style-type: none"> <li>• Freeze/Thaw 100 cycles</li> <li>• Working Time</li> <li>• Cure Time</li> <li style="padding-left: 20px;">-Initial Set</li> <li style="padding-left: 20px;">-Full Service</li> <li>• Shrinkage on cure</li> <li>• Application temperature</li> </ul>	no change 20 minutes 30 minutes 2 hours Zero% -30° to 30°C -22° to 86°F	Shelf Life	6 months at 5 to 24°C/41 to 75°F Inside storage out of sun and away from direct heat.
<ul style="list-style-type: none"> <li>• Compressive Strength</li> <li>• Abrasion resistance</li> </ul>	10000 psi (69 MPa) C10 no weight loss	Application-Temperature	Normal formulation 10 to 30°C/50 to 86°F Low temp formulation -10 to 9°C/14 to 48°F Freezer formulation -30 to -11°C/ -22 to 12°F

All Testing to ASTM Standards by Independent Laboratories

**CHEMICAL RESISTANCE-** Partial list. Chemical Resistivity varies depending upon temperature and concentration, please consult manufacturer for specific applications.

Acetic Acid	50%	Formaldehyde	44%	Sodium Chloride	All
Ammonium Hydroxide	10%	Fuel Oil, all	100%	Sodium Hydroxide	5%
Alcohol, all	100%	Gasoline, all	100%	Stannic Chloride	All
Benzoic Acid	All	Hydraulic Fluid	100%	Stannous Chloride	All
Brine, salt	All	Hydrochloric Acid	37%	Sulphur Dioxide Gas	All
Calcium Hydroxide	Sat'd	Hydrofluoric Acid	20%	Sulphuric Acid	50%
Calcium hypochlorite	Sat'd	Jet Fuel, all	100%	Tannic Acid	All
Chlorine Gas	All	Kerosene	100%	Toluene	100%
Chlorine Water	Sat'd	Lactic Acid	100%	Urea	50%
Chromic Acid	10%	Naphthalene	100%	Urea/Nitrate Fertilizer	All
Citric Acid	All	Nitric Acid	10%	Veg. & Animal Fats	100%
Crude Sweet & Sour	100%	Oleic Acid	All	Water, tap & distilled	100%
C18 Fatty Acids	100%	Phosphoric Acid	85%	Wine	100%
Diesel Fuel	100%	Potassium Hydroxide	10%	Xylene	100%
Ethylene Glycol	100%	Road Salts	All		

FOR ADDED CHEMICAL RESISTANCE THIS PRODUCT MAY BE OVERCOATED WITH  
735 IM-KOTE™ FINISH COAT

### **APPLICATION INSTRUCTIONS**

Correct surface preparation is of the utmost importance. All concrete surfaces must be dry, clean and free from dust, oil, grease or any other contaminants. All surfaces must be primed with 710 IM-KOTE™ PRIMER at the rate of 75 to 100 SQFT/L dependent on the profile. Mix all three components of **727 IM-KOTE™ LINER** in strict accordance with manufacturer's instructions, transfer to primed area and rough spread. Trowelling is accomplished with strong, even strokes, compressing material well and squeezing it onto the primed surface to eliminate air voids. Specify application temperature range when ordering.

**New Concrete** - Must be fully cured and free of laitance, form release agents, surface hardeners and any other foreign materials. Surface must be cleaned to achieve a profile similar to medium grade sandpaper by one of the following methods: Very light scarification or sandblasting followed by vacuum, acid etch and neutralize (10% muriatic acid, rinse with 1% ammonia or alkaline detergent followed by thorough flushing with clean water), litmus testing of the surface should show neutral.

**Old Concrete** -All existing coatings must be removed and then the surface prepared as above. All damaged concrete must be removed.

### **SPECIAL HANDLING**

The isophthalic resins used in these products have a flash point of 32°C/90°F. Keep material away from sparks, fire and heat. Keep container closed. Extinguish fires with CO<sup>2</sup>. Store away from heat and out of direct sunlight. Keep work area ventilated. Use an "Organic Vapor" type respirator when working with material.

### **SAFETY**

Please refer to SDS at [www.imcotechnologies.com](http://www.imcotechnologies.com)

### **RELATED PRODUCTS**

710-Primer for all series 700 products

724-Polymer concrete floor overlay.

730/735-Brush, roller or spray applied protective coatings for concrete and steel

740-Chemical resistant, non-shrinking grouts

### **WARRANTY DISCLAIMER**

The information herein is to assist customers in determining whether our products are suitable for their application. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to the contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages