



DESCRIPTION

724 IM-KOTE™ FLOOR is a profoundly crosslinked thermosetting polymer concrete system that forms a dense hard impermeable surface upon curing that is resistant to a very wide range of aggressive chemicals.

BASIC USES

- as a 3/16" thick seamless floor topping for areas exposed to aggressive chemicals or areas subjected to high frequency traffic and concentrated loadings
- to repair or replace acid brick or ceramic tile
- to patch worn or spalled concrete
- to repair cracks
- to fill shallow potholes

MAJOR ADVANTAGES

- exceptional physical and chemical resistance characteristics
- resistance to most commercially used chemicals
- one hour cure time at surface temperatures as low as - 30°C(-22°F)
- complete ultra-violet stability
- Approved by Agriculture Canada for incidental food contact.

TECHNICAL AND PRODUCT DATA

Resin Matrix		No. of Components	
			Three: (Base resin, catalyst and Aggregate Blend)
• Compressive strength	23,000 psi (159 MPa)	Packaging	Pre-packaged in proportioned batches to eliminate job site errors. 4L pail(1 gal) Part A complete with proportioned unit of 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
• Tensile strength	11,000 psi (76 MPa)		
• Flexural strength	17,000 psi (117 MPa)		
• Barcol Hardness	45—50	Abrasion Resistance	C10 no weight loss
• Flash Point	32°C/90°F		
• Viscosity at 25°C	300-600 cps	Impact resistance 5mm Coverage	120 in. lbs. One 4L (1 gal) batch covers 22.5 sq. ft. at a nominal 3/16" thickness
• Specific Gravity	1.1—1.2		
• Net Weight	1kg/L	Colours	Natural, grey & terra cotta Additional colours and colour matches available on specific order
• Solids by volume	100%		
• Abrasion resistance -weight loss	0.9 gm	Finish	Slip resistant, monolithic.
• Weatherometer-500 hrs.	no change		
• Water Absorption -72 hrs immersion	.074%	Shelf Life	6 months at 5 to 24°C/41 to 75°F Inside storage out of sun and away from direct heat.
Mixed Product			
• Freeze/Thaw 100 cycles	no change	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
• Working Time	20 minutes		
• Cure Time			
-Initial Set	30 minutes		
-Full Service	2 hours		
• Shrinkage on cure	Zero%		
• Application temperature	-30° to 30°C -22° to 86°F		
• Compressive Strength	10000 psi (69 MPa)		
• Flexural Strength	4000 psi (28 MPa)		

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 **724 IM-KOTE™ FLOOR** 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 (use BDE-1002™ by Specialty Products Group® as per the manufacturer's instructions followed by a 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 CO². Store away from heat and out of direct sunlight. Keep work area ventilated. Use an "Organic Vapour" type respirator when working with material.

SAFETY

Please refer to SDS at www.imcotechologies.com.

RELATED PRODUCTS

- 710-Primer for all series 700 products
- 727-Polymer concrete designed for vertical trowelling, tank lining etc.
- 730/735-Brush or roll 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