



735 IM-KOTE™ FINISH

By Imco®

DESCRIPTION

735 IM-KOTE™ FINISH is a Heavy Duty protective coating for concrete and steel. The polymer resins used in this formulation cure with such profound crosslinking density that an extremely tough, dense and exceptionally chemical resistant surface is developed that offers unparalleled protection to the substrate.

BASIC USES

The high performance characteristics that the **735 IM-KOTE™ FINISH** coating offers, make it an invaluable protective coating in areas of aggressive chemical exposure. **735 IM-KOTE™ FINISH** is a highly resistant seal coat over seamless flooring systems. This product is also used as a seal-coat to impart greater chemical resistance to the **724 IM-KOTE™** Heavy Duty Overlay system.

MAJOR ADVANTAGES

- Very rapid cure - return to service in 2 to 4 hours.
- Resistance to most commercially used chemicals.
- Can be applied at sub-zero substrate temperatures.
- 100% solids.
- Agriculture Canada approved for incidental food contact

TECHNICAL AND PRODUCT DATA

• Cure-time-Initial set & recoat	30 to 45 minutes	Number of Components	Two, (Base resin & catalyst)
- Light Traffic	2 to 4 hours	Packaging	4L/20L pails (1gal/5gal pail)
- Full Service	4 to 8 hours	Coverage	100 sq. ft/L @ mil DFT
• Viscosity at 25°C(77°F)	300-600 cps	Primer	IM-KOTE™ 710 PRIMER
• Net Weight	1 kg/L (8.3 lbs./gal)	Thinner	NEVER add Thinners
• Flash Point	32°C/90°F	Clean-up	100% solids material
• Solids by Volume	100%		780 Thinner or 785 Cleaner
• Application Temperature	-30° to 30°C	Pot Life	Less than 15 minutes if both components are mixed. Remove from pot and rough spread immediately or use two component spray equipment.
	(-22° to 86°F)		
-Normal Formulation	10 to 30°C(50 to 86°F)		
-Cooler Formulation	-10to 10°C(14 to 50°F)		
-Freezer Formulation	-30 to -10°C(-22 to 14°F)		
• Hardness Shore D	87	Colours	Clear, grey, terra cotta, yellow & black. Additional colours available on special order.
• Abrasion resistance weight loss		Finish	Semi-gloss or slip resistant
-with C-10 wheel	No loss	Shelf Life	6 months at 5 to 24°C/41°F to 75°F. Inside storage out of sun and away from direct heat.
-with H-22 ceramic wheels	0.5g(.02 oz)		
• Weatherometer 500 hrs.	No change		
• Water absorption-72 hours immersion	0.74%		
• Resistance to Chloride penetration	Excellent		

All testing at ASTM Standards by Independent Laboratories

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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		

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. Using brush or roller, prime all surfaces with 710 IM-KOTE™ PRIMER at the rate of 75 to 100 SQFT/L. Actual coverage will depend on surface porosity and profile. Apply **735 IM-KOTE™ FINISH** product using brush or roller at a rate of 100 SQFT/L. **DO NOT USE SPRAYER TO APPLY PRODUCTS.** These products must be mixed and applied in strict accordance with manufacturer's instruction.

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. All spalling must be repaired using 724 IM-KOTE™.

Steel-Remove all dirt, rust, scale, old coatings etc. by sandblasting to at least SSPC-SP6 Commercial Blast. SSPC-SP10 near white metal blast is required for immersion service.

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 Vapor" type respirator when working with material.

SAFETY

Please refer to SDS at www.imcotecnologies.com

RELATED PRODUCTS

- 710-Primer for all series 700 products
- 724-Polymer concrete floor overlay.
- 727-Polymer concrete designed for vertical trowelling, tank lining etc.
- 730--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

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