

# 735 JETSET FINISH

## DESCRIPTION

IMCO 735 JETSET FINISH is a Heavy Duty protective coating for concrete and steel, that is formulated by radically modifying a Bisphenol Fumarate resin system to 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 IMCO 735 JETSET FINISH coating offers, make it an invaluable protective coating in areas of extreme chemical exposure.

IMCO 735 JETSET FINISH is a highly resistant finish coat for thin film systems. IMCO 735 JETSET FINISH is also used as a finish coat to impart greater chemical resistance to the 724 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 min	Number of components	Two, (Base resin & catalyst)
	-Light traffic 2 to 4 hrs		
	4 - 8 hrs	Packaging	4L / 20L pails (1 gal/5 gal)
• Viscosity at 25°C(77°F)	300 - 650 cps	Coverage	100 sq.ft./L @ 4 mil DFT (400 sqft/gal)
• Net weight	1 kg/L(8.3 lbs/gal)	Primer	JETSET 710 Primer
• Flash Point	31°C/88°F	Thinner	NEVER add thinners.
• Solids by volume	100%		100% solids material
• Application temperature	-30°C to 30°C (-22 to 86°F)	Clean-up	780 Solvent or 785 Cleaner
	-Normal formulation 10 to 30°C(50 to 86°F)	Pot life	Less than 15 mins if both Components are mixed. Remove from pot and rough Spread immediately or use two component spray equipment.
-Cooler formulation -10 to 10°C(14 to 50°F)			
- Freezer formulation -30 to -10°C(-22 to 50°F)			
• Hardness Shore D	87		
• Abrasion resistance - Weight loss	No loss	Colours	Clear, grey, terra cotta, yellow & black, or custom.
	- with C-10 wheels 0.5 gm		
• Weatherometer 500 hrs.	No change	Finish	Semi-gloss or slip resistant
• Water absorption- 72 hrs immersion	0.74%	Shelf life	6 months at 5 to 24°C (41 to 75°F)
• Resistance to Chloride penetration	Excellent		inside storage out of sun and away from direct heat

All testing to ASTM Standards by Independent Laboratories.

**JETSET FINISH**

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

Acetic Acid	50%	Ethyl Benzene	100%	Sodium Chlorite	50%
Ammonium Hydroxide	29%	Ethyl Chlorohydrin	100%	Sodium Hydroxide	50%
Acetic Anhydride	100%	Fluosilicic Acid	35%	Sodium Carbonate	35%
Benzyl Alcohol	All	Furfural	10%	Sodium Hypochlorite	15%
Brine, salt	All	Hydrochloric Acid	37%	Sulphur Dioxide Gas	All
Calcium Hydroxide	All	Hydrofluoric Acid	20%	Sulphuric Acid	75%
Calcium hypochlorite	All	Hydrofluosilic Acid	35%	Tannic Acid	All
Chlorine Gas	All	Hydrogen Peroxide	30%	Turpentine	
Chlorine Dioxide	Sat'd	Lactic Acid	100%	Urea	50%
Chromic Acid	10%	Naphthalene	100%	Urea/Nitrate Fertilizer	All
Citric Acid	All	Nitric Acid	50%	Veg. & Animal Fats	100%
Crude Sweet & Sour	100%	Oleic Acid	All	Water, Deionized	All
C18 Fatty Acids	100%	Phosphoric Acid	85%	White Liquor	All
Cyclohexanone	100%	Potassium Hydroxide	25%	Zinc Cyanide	All
Ethylene Glycol	100%	Plating Solutions	All	etc. etc.	

**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, roller or two component spray, prime all surfaces with 710 JETSET PRIMER at the rate of 75 to 100 sq.ft./L (300 to 400sqft/gal). Actual coverage will depend on surface porosity and profile. When spray applying the 735 JETSET FINISH product, paint pot must be kept under constant agitation. These products must be mixed and applied in strict accordance with manufacturer's instructions.

**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. All spalling must be repaired using 724 or 727 JETSET products.

**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 bisphenol resins used in these products have a flash point of 31°C(88°F). Keep material away from sparks, fire and heat. Keep containers closed. Extinguish fires with CO<sub>2</sub>. Store away from heat and out of direct sunlight. Keep work area well ventilated. Use an "Organic Vapour" type respirator when working with material.

**SAFETY-** Please refer to Material Safety Data Sheet

**RELATED PRODUCTS**

710 - Primer for the Jetset systems.

724 - Polymer concrete floor overlay.

727 - Polymer concrete designed for vertical trowelling, tank lining etc.

730 - Brush, roller or spray applied protective coating for concrete and steel.

740 - Chemical resistant, non-shrinking grout.

Manufactured by: IMCO TECHNOLOGIES, 350 Wentworth Street North, Hamilton, ON L8L 5W3 Tel. 905-546-5225

**WARRANTY DISCLAIMER:**

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