

IM-KOTE GROUT

DESCRIPTION

IMCO 740 IM-KOTE GROUT is a self-leveling profoundly cross linked polymer grouting material that forms a dense, hard and impermeable surface upon curing. It is permanent, maintenance free and impervious to a wide range of aggressive chemicals.

BASIC USES

IMCO 740 IM-KOTE GROUT is used as a high performance non-shrinking grouting material:

- under heavy equipment to ensure uniform transfer of static and dynamic loads to the foundations
- as a dimensionally stable, chemical and ultra-violet resistance equipment base allowing precise and permanent alignment of critical components
- to repair damaged groutings or regrout in place without dismantling or lifting existing equipment to permanently secure anchor bolts, sole plates, rock anchors etc.

MAJOR ADVANTAGES

- Exceptional physical and chemical resistance characteristics
- low temperature cure - grout can be placed and cured at sub-zero temperatures
- rapid cure - eliminate downtime - grout can be fully loaded within 4 to 5 hours of placement
- deep pours are possible, again eliminating downtime on large grouting operations
- requires no protective coating - grout material is resistant to oils, fuels, acids and most commercially used chemicals
- approved by Agriculture Canada for incidental food contact.

TECHNICAL AND PRODUCT DATA

• Compressive strength	10,000 psi/69 MPa	No. of Components	Three: (Base resin, catalyst & aggregate)
• Tensile strength	1,600 psi/11 MPa	Oil penetration	Zero
• Flexural strength	3,500 psi/24 MPa	Packaging	Packaged in pre proportioned batches to eliminate job site errors. 4L pail(1 gal) Part A complete with preportioned Part B and pre weighed bag of Aggregate.
• Bond strength	concrete fails		20L pail (5 gal) Part A complete with 5 preportioned units Part B & 5 pre weighed bags of aggregate
• Coeff. of thermal expansion	$21.19 \times 10^{-6} / F^{\circ}$	Coverage	580 cu.in./4L(1 gal.) batch or 3 units per cu.ft.
• Shrinking on cure	zero	Colours	Light tan
• Pull-out	bolt fails	Shelf life	6 months at 5 to 24°C(41 to 75°F).
• Hardness- barcol	82		Inside storage, out of sun and away from direct heat
• Flash point	31°C/88°F	Application-temperature	
• Solids by volume	100%	Normal formulation	10 to 30°C(50 to 86°F)
• Working time	20 min	Low temp. form.	-10 to 9°C(14 to 48°F)
• Cure time:		Freezer formulation	-30 to - 11°C(-22 to 12°F)
- Initial set	30 mins		
- Full service	5 hrs.		
• Freeze/Thaw 100 cycles	no change		
• Abrasion resistance	C10 no weight loss		

All testing to 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 <input type="checkbox"/>	100% <input type="checkbox"/>	Road Salts <input type="checkbox"/>	All <input type="checkbox"/>	etc. etc. <input type="checkbox"/>	<input type="checkbox"/>

FOR ADDED CHEMICAL RESISTANCE THIS PRODUCT MAY BE OVERCOATED WITH
735 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. 740 IM-KOTE GROUT is fluid and requires sealed forms of adequate strength to withstand the pressure from the grout. All grout contact surfaces of the forms must be waxed or oiled to ensure release. Mix all three components of 740 IM-KOTE GROUT in strict accordance with the manufacturer's instructions and transfer to work area immediately. 740 IM-KOTE GROUT will generally flow into place and self-level, however it may require rodding into confined areas. Care must be taken to avoid air pockets or voids. Vibrate form to pack grout.

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.

SPECIAL HANDLING-The isophthalic 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 CO₂. 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 the Material Safety Data Sheets.

RELATED PRODUCTS

710 - Primer for all series 700 products.

724 - Plymer concrete floor overlay.

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

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

Manufactured by:

IMCO TECHNOLOGIES INC, 350 Wentworth Street North, Hamilton, ON L8L 5W3 Tel: (905)546-5225

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.