IMPERGUARD
Waterproofing solutions

IG0637
SBS ELASTOMERIC ALUMINUM ROOF COATING

PRODUCT DESCRIPTION
The IG0637 is a flexible, watertight elastomeric aluminum roof coating for metal, asphalt and modified bitumen roofs. It combines the advantages of SBS-polymer-modified asphalt with the reflective, UV-blocking abilities of aluminum pigments, which reduces interior building temperature and extends roof service life. More resistant to moisture than standard aluminum coatings, it performs better in areas of ponding water. It forms a cohesive molecular bond with SBS modified bitumen and remains flexible on lighter-gauge metal roofs.

COMPOSITION
Formulated from specially refined asphalt, styrene-butadiene-styrene (SBS) polymers, aromatic and aliphatic solvents, and 3 lb/gal of aluminum paste (ASTM D962). The SBS polymers form a network within the asphalt, which becomes elastomeric: it stretches and recovers in response to building movement and rapid changes in temperature.

APPLICATION
- The surface must be dry and free of dirt. The surface temperature must be at least 3 °C (5 °F) above the dew point.
- Turn the pails upside down 24 hours before application to release the aluminum that has settled at the bottom.
- (For low-output application.) Before mixing, pour 50% of the liquid into a clean 5-gallon pail (all the aluminum stays in the original pail); mix the aluminum into the liquid until free of lumps, then add the liquid back and mix until uniform.
- Mechanically mix before and during application (a drill-mounted mixer for 5-gallon pails).
- Apply evenly, without thinning, with a soft-bristle brush, roller or spray equipment, at a rate of 1.5 gal/100 sq. ft. Brush in one direction, with the slope of the roof.
- Do not apply over fresh asphalt repairs or a recently applied coating.
- Roofing asphalts can bleed oils that stain the finish; first apply a test patch of IG0637 to check the result.

SYSTEM SEQUENCE
A metal roof has many potential points of water infiltration. First treat every seam, lap, screw, fastener, flashing and penetration with IG5500 sealant, then coat the entire surface with IG0637. IG0637 is a coating, not a repair product. The roof must be structurally sound: repair any perforations, damaged panels and areas of perforating corrosion beforehand.
A roof coated with IG0637 cannot later be recoated with a silicone coating (e.g., IG8000); however, it can be recoated with IG0637 if a future restoration is ever needed.

CLEAN UP
Clean tools with mineral spirits. Take necessary precautions when handling combustible materials.

STORAGE
Store between 5 °C and 35 °C (41 °F–95 °F). Keep from freezing. Keep out of direct sunlight. Do not heat or thin. (High temperatures and humidity during storage may shorten shelf life.)

SHELF LIFE
Three years from the date of manufacture.

CAUTIONS
- For professional use only. For exterior use only; do not use indoors.
- Combustible liquid and vapor; contains petroleum distillates. Keep away from heat and open flames. Avoid prolonged contact with solvents and inhalation of their fumes.
- Do not ingest. If swallowed, do not induce vomiting and contact a health professional immediately. Poison Centre – Canada: 1-844-764-7669; Québec: 1-800-463-5060.
- In case of a spill, contact CANUTEC: 1-888-226-8832 (or *666 on a cell phone).
- Consult the Safety Data Sheet (SDS) and WHMIS label before use.

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SPECIFICATIONS

ASTM D2824 Type I · Color: aluminum

PROPERTY	TEST METHOD	VALUE
Viscosity	ASTM D2196	8,000 cP
Solids by weight	ASTM D1644	61%
Solids by volume	ASTM D2697	50%
Weight per gallon	ASTM D1147	8.56 lb
Wet film per gallon	ASTM D4414	16 mils
Dry film per gallon	SSPC-PA 2	8 mils
Tensile strength	ASTM D2370	350 psi
Elongation	ASTM D2370	325%
Solar reflectance (initial)	ASTM C1549	0.71
Solar reflectance (aged)	ASTM C1549	0.60
Emissivity	ASTM C1371	0.36
SRI (solar reflectance index)	ASTM E1980	72
Flash point	ASTM D56	103 °F (39 °C)
Container sizes	–	5 gal

LIMITED WARRANTY

To the extent permitted by local law, except as set forth below, the seller makes no warranty of merchantability or fitness for a particular purpose with respect to the goods sold herein. No other warranty, express or implied, is granted beyond the terms set forth in this document. The seller warrants that this product is free of material or manufacturing defects under normal use for one year from the date of purchase. This warranty does not cover defects or failures resulting from misuse or incorrect application.

LIMITATION OF LIABILITY

In the event of a defect, the buyer's sole remedy shall be a refund of the purchase price or replacement of the defective material, at the seller's option. Under no circumstances shall the seller be liable for any direct, indirect, special, incidental or consequential damages, whether based on contract, tort (including negligence) or any other legal theory.



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