

ARMOR INSULATOR 100

HIGH PERFORMING MULTIPURPOSE SPRAY FOAM INSULATION

PRODUCT DESCRIPTION

ARMOR INSULATOR 100 is a premium spray polyurethane foam building insulation system. The product is generated on site by combining an isocyanate and a polymeric resin through a dual-component proportioner. Fast, easy and adaptable, it can achieve an R-value of 20 at 3 inches. ARMOR INSULATOR 100 is a high density based polyurethane foam recommended for roofing and other exterior insulation because it is applied in a continuous manner, in addition to thermal resistance properties.

BENEFITS

- Excellent Thermal Resistance
- Help to save energy cost
- Provides load support
- Provides excellent protection against heat and water infiltration.
- Increase building resistance to wind uplift

APPLICATION AREAS

- On-Roof and Under-Roof Insulation
- Wall and Floor Insulation
- Cold Room Insulation

APPLICATION

For optimum results, surfaces receiving ARMOR INSULATOR100 should be clean and dry free of dirt, oil, solvent, grease, loose particulate, peeling coating or other foreign matter. ARMOR INSULATOR100 adheres well without primer to expanded polystyrene, extruded polystyrene, foil-faced insulation boards, CMU and cured concrete. Ferro-metallic substrates (especially mild steel) should be sand-blasted in accordance with SSPC-SP6. Sand-blasted surfaces should be immediately primed with an epoxide primer as recommended by the primer manufacturer. Galvanized and stainless steel, and aluminum substrates should be treated with an appropriate wash primer or adhesive prior to application of ARMOR INSULATOR100. It is applied through a spray gun on areas at both proportion.

PRODUCT SPECIFICATION

ARMOR INSULATOR 100 is specified for insulation of external roof floors, under ceiling areas, Depending on irregularities in the substrates. Below are the general consumption guides, 0.7kg to 1.5 kg depending on the roughness or smoothness of the surface per layer of coatings depending on thickness of application so desired.

Protective Equipment

Spraying of polyurethane foam results in the atomizing of the components to a fine mist. Inhalation and exposure to the atomized droplets must be avoided. Applicators must use personal protective equipment recommended by the Center for Polyurethanes Industry for use in high pressure spray foam application. Precautions include, but are not limited to:

- Full-face mask or hood with fresh air source
- Fabric coveralls
- Fabric gloves
- Rubber gloves when handling new materials and cleaning solvents.

WARNING: Exposure may occur even when no noticeable odor is encountered.

HEALTH AND CLEANING

Tools used in the preparation and application of ARMOR INSULATOR100 must be cleaned with solvents immediately after use.

Health

- It contains epoxy resin and amine and therefore toxic irritant.
- Do not inhale.
- Provide adequate ventilation.
- Protect against contact with skin and eyes.
- Wear rubber gloves, long sleeve shirt, goggles and side shields.
- In case of contact with eyes flush repeatedly with water and contact physician.

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PACKAGING AND SHELF LIFE

ARMOR INSULATOR 100 is packed in 210litres and 225 litres drums. Store in a cold dry place. With proper storage material can be stored and used within 12months.

STABILITY AND REACTIVITY

- Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.
- Chemical stability: The product is stable if stored and handled as prescribed/indicated.
- Possibility of hazardous reactions: The product is stable if stored and handled as prescribed/indicated.
- Incompatible materials Substances to avoid: strong acids, strong bases, strong oxidizing agents, strong reducing agents
- Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicate

LIMITED WARRANTY

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either e x p r e s s e d or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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