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® ISAMITE

BITUMINOUS RUST-RESISTANT PAINT FOR METAL SURFACES AND WATERPROOFER FOR CONCRETE

WHERE TO USE

- Waterproofing concrete foundations.
- Rust-resistant paint for cisterns and metal surfaces.
- Primer for surfaces prior to applying PLASTIMUL or PLASTISOL 1.

Typical applications

- Waterproofing walls and foundations over bare ground.
- Painting concrete cisterns and cementitious surfaces in contact with slightly aggressive solutions.
- Rust-resistant coating of metal surfaces, gutters, etc.

- Protective paint and waterproofer for wooden telephone poles before implanting them in the ground.
- Priming substrates before installing bituminous membranes.
- Priming existing bituminous membranes before repairing with PLASTISOL 1.

TECHNICAL CHARACTERISTICS

ISAMITE is a single-component paint with a base of selected bitumens in solvent solution manufactured from a formula developed in the Mapei Research Laboratories. ISAMITE has low viscosity and is easy to apply with a brush, roller or spray gun on horizontal, sloping or

vertical surfaces. Once it has completely dried after the evaporation of the solvent, ISAMITE forms a film that bonds very firmly to the substrate. It is completely waterproof and chemically resistant to the action of water, diluted acids and most aggressive agents present in the soil and the atmosphere.

RECOMMENDATIONS

- Do not apply ISAMITE on damp or wet substrates.
- Do not apply ISAMITE in closed environments unless a good ventilation system is provided.
- Do not apply ISAMITE with a spray gun in closed environments.
- Do not use ISAMITE to paint receptacles used for food products (drinking water, milk, beer, etc.).

HOW TO USE

Preparing the product

ISAMITE is ready to use and should not be diluted with water or solvents.

Applying the product

Rust-resistant paint for metal surfaces:

Completely remove rust by scrubbing with a wire brush or sandpaper. Using a sanding machine is recommended for large surfaces. Remove dust with compressed air, then apply the first coat of ISAMITE with a brush, roller or spray gun. Take care to coat the entire surface evenly without applying too heavily so as to avoid forming a thick film.

Wait until the first coat is completely dry (about 30 minutes at +20°C), then apply a second coat.

Painting wooden surfaces

The surface must be dry and free of dust and existing paint. Apply the first coat of ISAMITE with a brush, roller or spray gun. Wait until the first coat is completely dry (about 30 minutes at +20°C), then apply a second coat.



Waterproofing walls and foundations

The concrete substrate must be solid, dry, and free of oils, grease, old paint and mould.

Carefully scrub the surface with a wire brush or by machine so as to remove cement laitance and loose or crumbly sections. Apply the first coat of ISAMITE with a brush, roller or spray gun. Wait until the first coat is completely dry (about 30 minutes at +20°C), then apply the final coat.

Priming existing membranes before repairing with PLASTISOL 1

Before starting the repairs, remove the sections of the membrane that have become rigid from the loss of plasticisers. Remove mould, smog residues, etc. from the existing membrane by scrubbing and rinsing with water. When the surface is dry apply only one coat of ISAMITE with a brush or roller. Let dry 30 minutes, then repair with PLASTISOL 1 (see Technical Data Sheet).

PRECAUTIONS TO BE TAKEN DURING APPLICATION

ISAMITE contains harmful, flammable solvents. Wear gloves and protective eyewear. Take all precautions required by law for flammable substances. Especially, do not smoke and do not use the product near open flames or sparks. When applying in closed environments, provide adequate ventilation.

Cleaning

ISAMITE can be removed from clothing with solvents or ethyl alcohol.

COVERAGE

Coverage varies, depending on the type of substrate, but is generally as follows:

- on metal or non-absorbent surfaces: 100 to 150 g/m² per coat;
- on concrete or wood: 250 to 300 g/m² for two coats.

PACKAGING

ISAMITE is available in 10-kg drums. ADR/RID approved packaging.

STORAGE

ISAMITE is flammable. Take all

TECHNICAL DATA:

PRODUCT IDENTIFICATION	
Consistency:	liquid
Colour:	black
Specific gravity:	1.00-0.05 kg/l
Dry solids content:	50 ± 2%
Viscosity (ford cup no. 4):	20 seconds
Storage:	12 months in original sealed packaging
Health hazard EC L. 88/379:	harmful if inhaled
Inflammability:	yes
Customs class:	2715 00 00
APPLICATION DATA	
Dust-dry on metal surfaces at +20°C:	15 to 20 minutes
Dust-dry on concrete surfaces at +20°C:	15 to 20 minutes
FINAL PERFORMANCE DATA	
Resistance to ageing:	excellent
Resistance to acids and alkalis:	good

precautions required by law. In normal conditions and in original sealed packaging, ISAMITE is stable for 12 months.



WARNING

N.B. Although the technical details and recommendations contained in this report correspond to the best of our knowledge and experience, all the above information must, in every case be taken as merely indicative and subject to confirmation after long-term practical applications; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

N.B. FOR PROFESSIONAL USE ONLY

MAPEI QUALITY SYSTEM



MAPEI - ITALIA



MAPEI - FRANCE



MAPEI INC - CANADA



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