

324/1.99

® PLASTISOL 1

**BITUMINOUS-BASED PLASTIC CEMENT
WATERPROOFING COMPOUND FOR
ROOFS NOT SUBJECT TO FOOT TRAFFIC**



WHERE TO USE

Waterproofing flat, inclined or curved roofs and terrace roofs not subject to foot traffic; sealing cracks in horizontal surfaces.

Typical applications

- repairing cracks in bituminous layers;
- sealing cracks in roofs not subject to foot traffic;
- waterproofing roofs not subject to foot traffic with surfaces of limited size;
- flashing between roof and chimney.

TECHNICAL CHARACTERISTICS

PLASTISOL 1 is a black mastic based on selected bitumens, plasticisers, cellulous fibres and fine graded aggregates, prepared according to a formula developed in the Mapei research laboratories.

PLASTISOL 1 seals cracks and waterproofs concrete roofs not subject to pedestrian access, and is especially recommended for repairing old bituminous layers with cracks after they have lost their plasticizing properties due to the effects of solar radiation and freeze-thaw cycles.

PLASTISOL 1 adheres to cement, brick, sheet metal, wood, asphalt, etc.

RECOMMENDATIONS

- do not apply PLASTISOL 1 to wet or damp surfaces;
- do not use PLASTISOL 1 for waterproofing surfaces subject to foot traffic;
- do not mix PLASTISOL 1 with cement or aggregates;
- do not dilute PLASTISOL 1 with solvents;
- do not dilute PLASTISOL 1 with water;
- do not use PLASTISOL 1 for waterproofing basements, water tanks, lift-wells, structures subject to water pressure or canals;
- do not use for waterproofing surfaces of or containers for liquid food products or drinking water.

DIRECTIONS FOR USE

Preparation of the substrate

Before waterproofing, surfaces to be treated must be absolutely free of dirt, dust, grease, oils, paint, mold, and weeds that might prevent PLASTISOL 1 from bonding to the substrate.

The choice of cleaning systems depends on the type of dirt, but a good brushing and dust-removal with compressed air are generally sufficient. Cleaning with cold water and caustic soda is especially effective when oil and grease are present, followed by thorough rinsing with clean water. Whatever the cleaning method chosen, PLASTISOL 1 should only be applied to dry surfaces.

Application

- **Sealing cracks in horizontal concrete surfaces:**
Substrates must be solid, clean and dry. Clean the cracks to be treated, removing dust and loose particles. Brush on a coat of ISAMITE, Mapei's bituminous solvent primer. When dry, use a trowel to seal the crack with PLASTISOL 1.

• **Repairing cracks in bituminous membranes:**

Clean the area to be repaired, removing dust and the degraded sections of the membrane. Brush on a coat of ISAMITE, Mapei's bituminous solvent primer. When dry, trowel on a first coat of PLASTISOL 1, from 2 to 3 mm thick; insert a 4x4 mm fibreglass mesh, and trowel on a second, finishing coat of PLASTISOL 1.

• **Waterproofing concrete roofs:**

Clean substrate thoroughly so as to remove cement laitance and dust. Apply a coat of ISAMITE bituminous solvent primer with brush or roller. When dry, trowel on a single coat of PLASTISOL 1 approx. 3 mm thick.

Cleaning

Tools used for applying PLASTISOL 1 can be cleaned with turpentine.

COVERAGE

1.2 kg/m² per mm of thickness.

Precautions to be taken during use

PLASTISOL 1 contains a small amount of flammable solvents. Wearing gloves is recommended during use. Take all precautions required for working with inflammable products.

PACKAGING

PLASTISOL 1 is available in 8 kg buckets.

STORAGE

Store PLASTISOL 1 in original unopened packaging at temperatures not lower than +5°C, away from sources of heat and flames.

WARNING

N.B. Although the technical details and recommendations contained in this report correspond to the best of our knowledge

TECHNICAL DATA:

PRODUCT IDENTIFICATION:

Consistency:	thick paste
Color:	black
Specific gravity:	1.45 ± 0.05 kg/l
Dry solids:	94 ± 2%
Brookfield viscosity (7 rotor, 5 revs.):	630,000 ± 50,000 c.p.s.
Storage:	12 months in original unopened packaging
Inflammability:	yes
Customs class:	2715 00 00
Health hazard according to EEC 88/379:	no
FINAL PERFORMANCE:	
Resistance to rainwater:	one hour after application
Resistance to ageing:	excellent
Characteristics of film:	consistently plastic
Suitable for foot traffic:	no



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



MAPEI KTF - HUNGARY



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