PLASTIMUL DPC

Bitumen waterproofing emulsion for general purpose use



WHERE TO USE

- Waterproofing foundations
- Waterproofing bearing walls
- Waterproofing wet areas
- Concrete protection below ground

SOME APPLICATION EXAMPLES

- Cold waterproofing masonry or concrete poured over bare ground.
- Damp-proofing flat or curved surfaces on structures below ground level, such as man-made tunnels and underpasses.
- Waterproofing horizontal concrete structures below screeds isolated with PE sheets.

TECHNICAL CHARACTERISTICS

Plastimul DPC is a solvent-free emulsion consisting of selected water-emulsified bitumen, special fillers, and additives, manufactured according to a formula developed in the MAPEI Research & Development Laboratories. **Plastimul DPC**'s liquid consistency makes it easy to use for waterproofing even vertical and sloping surfaces. When completely dry **Plastimul DPC** forms a waterproof plastic coating that is resistant to re-emulsifying after prolonged immersion in water, even when slightly acid or alkaline, and resistant to aggressive agents present in the soil.

RECOMMENDATIONS

- Do not apply **Plastimul DPC** if the temperature is lower than +5°C
- Do not apply **Plastimul DPC** if it is about to rain
- Do not dilute **Plastimul DPC** with organic solvents
- Do not apply **Plastimul DPC** on the surface of containers used for storing edible products
- Do not use **Plastimul DPC** to waterproof structures in contact with organic solvents or mineral, vegetable, or animal fats
- Do not use **Plastimul DPC** to waterproof structures exposed to UV rays
- Do not use **Plastimul DPC** to waterproof structures with water under pressure

APPLICATION PROCEDURE

Preparation of the substrate

The surface to be treated must be sound, perfectly clean, and dust-free.
Remove cement laitance, loose and crumbling parts, and all traces of dust, grease, oil, and form-release compounds.
Before applying **Plastimul DPC** on masonry in general (bricks, vibro-compressed concrete blocks, etc.), make sure the surface is sufficiently even. Carefully remove from the surface all traces of mortar protruding from between the bricks or blocks and fill any gaps in the joints.
Concrete surfaces, on the other hand, must have no uneven areas or gravel clusters. Repair or smooth over any rough areas.
Seal any breaks in correspondence with structural joints with **Mapeband TPE** bonded to the substrate with **Adesilex PG4**.
For further details or particular waterproofing requirements please contact MAPEI Technical Services Department.

Waterproofing

If required dilute **Plastimul DPC** with approximately 10-20% of water and mix until completely blended. Apply the primer with a brush, roller, or spray.
Moisten the surface to be treated, then apply **Plastimul DPC** in two layers, as follows:

- First coat - When the primer is completely dry, apply a coat of neat **Plastimul DPC** with a roller, brush, or spray
- Second coat - Spread on a coat of neat **Plastimul DPC** with a roller, brush, or spray

The total coverage of all coats should be 2-4 m^2 / liter.

Protecting the waterproofing layer

When filling the foundation trenches or applying successive protection layers, **Plastimul DPC** must be dry. The drying time varies according to weather conditions, surrounding temperature, level of humidity, wind, the thickness applied, and the type of substrate.

Cleaning

Tools can be cleaned with water while **Plastimul DPC** is still fresh. When hardened, it can only be removed by mechanical means.

CONSUMPTION

Approximately 2-4 m^2 / liter depending on the surface conditions

PACKAGING

Plastimul DPC is available in 20 and 200 L drums.

STORAGE

Plastimul DPC must be stored in a dry place at a temperature not lower than +5°C for a maximum period of 12 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instruction on the safe use of our products can be found on the latest version of the Safety Data Sheet available on our website www.mapei.ae.

TECHNICAL DATA (typical values)

PRODUCT IDENTIFICATION DATA	
Consistency :	liquid which dries to a hard coating
Colour :	black/dark brown
Density (g/cm³):	1.10 at +25°C
Dry solid content (%):	25
APPLICATION DATA	
Application temperature range:	from >+5°C
Drying time:	6-8 hours per coat at +25°C
Chemical resistance:	Groundwater, salt solution, detergents, mild acids and alkalis

IMPORTANT NOTES

While we try to ensure that any advice, recommendations, or information in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is, therefore, important that installers satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given, nor can responsibility be accepted other than the product we supply will meet our written specifications. The installer should ensure that our latest product data and safety information sheets have been consulted before use.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.ae.

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into other project-related documents. The resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation. The most up-to-date TDS can be downloaded from our website, www.mapei.ae.

ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDE THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.com.

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