PLASTIMUL DPM

Bitumen/ rubber latex flexible waterproofing emulsion

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
- Damproofing 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
- Waterproofing wet areas sandwiched between layer of concrete

TECHNICAL CHARACTERISTICS

Plastimul DPM is a solvent-free emulsion consisting of selected water-emulsified bitumen, rubber latex, special fillers and additives, manufactured according to a formula developed in the MAPEI Research & Development Laboratories.

Plastimul DPM's liquid consistency makes it easy to use for waterproofing even vertical and sloping surfaces.

When completely dry **Plastimul DPM** 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. It is a brown liquid-applied coating that cures to form a flexible waterproof membrane.

RECOMMENDATIONS

- Do not apply **Plastimul DPM** if the temperature is lower than +5°C
- Do not apply **Plastimul DPM** if it is about to rain
- Do not dilute **Plastimul DPM** with organic solvents
- Do not apply **Plastimul DPM** on the surface of containers used for storing edible products
- Do not use **Plastimul DPM** to waterproof structures in contact with organic solvents or mineral, vegetable or animal fats
- Do not use **Plastimul DPM** to waterproof structures exposed to UV rays
- Do not use **Plastimul DPM** 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. It may be applied to damp but not water-logged concrete.

Remove cement laitance, loose and crumbling parts and all traces of dust, grease, oil and form-release compounds.

Before applying **Plastimul DPM** 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**.

Plastimul DPM may be applied to damp/green concrete as a curing membrane.

For further details or particular waterproofing requirements please contact MAPEI Technical Services Department.

Waterproofing

If the surface is very porous or dry, dilute **Plastimul DPM** with approximately 10-20% of water and mix until completely blended. Apply the primer by brush, roller or spray.

Then apply **Plastimul DPM** in two layers, as follows:

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

Higher thickness may be applied with multiple coats.

Protecting the waterproofing layer

When filling the foundation trenches or applying successive protection layers, **Plastimul DPM** 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 DPM** is still fresh. When hardened, it can only be removed by mechanical means.

CONSUMPTION

Approximately 3-5 m^2/ liter per coat depending on the application area and the surface conditions.

PACKAGING

Plastimul DPM is available in 20 and 200 liter drums.

STORAGE

Plastimul DPM 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	
Consistency:	liquid
Colour:	black/dark brown
Density (g/cm^3):	1.10 at +25°C

APPLICATION DATA	
Latex content (%):	10
Application temperature range:	from >+5°C
Service temperature:	-100°C to +85°C
Drying time:	6-8 hours per coat at +25°C
Chemical resistance:	Ground water, salt solutions, detergents, mild acids and alkalis

IMPORTANT NOTES

Whilst we try to ensure that any advice, recommendations or information given 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 or responsibility accepted other than, that the product supplied by us will meet our written specification. The installer should ensure that our latest product data and safety information sheets have been consulted prior to 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, but 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 EXCLUDES THE RESPONSIBILITY OF MAPEI.

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

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