



DMA 1000

Emulsifiable form-release agent for wood formwork

WHERE TO USE

Anti-adhesive treatment of all types of wood formwork used in casting concrete.

Some application examples

- Impregnation of planed wood forms.
- Impregnation of rough wood forms.
- Impregnation of plywood forms.
- Impregnation of industrial wooden panels.

TECHNICAL CHARACTERISTICS

DMA 1000 is a product based on special oils, admixtures and emulsifiers developed in the MAPEI Research & Development Laboratories.

Mixed with water it becomes a white emulsion with excellent stability and high anti-adhesive properties against concrete that permits easy stripping of forms and better surface appearance.

DMA 1000 features the following benefits:

- better surface finish;
- no grease stains, even with white cements;
- less cleaning of forms;
- simple low-cost application.

RECOMMENDATIONS

DMA 1000 should not be used for:

- metal forms;
- plastic forms;
- non-absorbent forms.

DMA 1000 should never be used full strength.

APPLICATION PROCEDURE

Preparing the emulsion

Pour 20 parts water into a clean container and slowly stir in 1 part in volume of **DMA 1000**.

Mix carefully until a white emulsion is obtained.

With new or highly absorbent planking, an emulsion of 5-10 parts water with 1 part by volume **DMA 1000** is recommended.

Applying the emulsion

Spread the **DMA 1000** emulsion on wooden forms with brush, trowel or machine.

Before applying the emulsion, the formwork surface must be dry or at most only slightly damp.

Usually only one coat of **DMA 1000** is needed.

However, if forms are new and highly absorbent, a second coat is recommended.

Wait 3-5 hours before placing concrete.

Cleaning

Tools used for preparing and applying **DMA 1000** can be cleaned with water immediately after use.

When water has evaporated after a few hours, oil residue on tools can only be removed with solvent (ethyl alcohol, trichlorethylene, etc.).

CONSUMPTION

10-30 g/m².

PACKAGING

DMA 1000 is available in 1000 l tanks, 200 l drums and 23, 9, and 4.5 kg drums.

DMA 1000



TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	liquid
Colour:	yellow-brown
Density (g/cm ³):	0.89 ± 0.02 at +20°C
APPLICATION DATA	
Mixing ratio:	1 part by volume DMA 1000 in 20 parts water
Mixing ratio for new forms:	1 part by volume DMA 1000 in 5-10 parts water
Colour of emulsion:	white
pH of emulsion:	7.5
Stability of emulsion:	1-2 days
Minimum application temperature:	+1°C
Drying time:	3-5 hours at +20°C

STORAGE

DMA 1000 may be stored for 12 months in its original packaging. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

DMA 1000 is harmful by injection and in case of penetration in the respiratory system. During use wear protective gloves and goggles and take the usual precautions for handling chemicals. If the product comes in contact with the eyes or the skin wash immediately with plenty of water and seek medical attention.

DMA 1000 is harmful for the aquatic life. Do not dispose of it in the environment. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet 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 application; 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.

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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, 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.com.

ANY ALTERATION 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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