



# Form Release Agent 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

**Form Release Agent 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.

**Form Release Agent 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

**Form Release Agent DMA 1000** should not be used for:

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

**Form Release Agent 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 **Form Release Agent 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 **Form Release Agent DMA 1000** is recommended.

#### Applying the emulsion

Spread the **Form Release Agent 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 **Form Release Agent 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 **Form Release Agent 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.).

| TECHNICAL DATA (typical values)  |   |
|----------------------------------|---|
| <b>PRODUCT IDENTITY</b>          |   |
| Consistency:                     | liquid  |
| Colour:                          | yellow-brown  |
| Density (g/cm <sup>3</sup> ):    | 0.89 ± 0.02 at +20°C  |
| <b>APPLICATION DATA</b>          |   |
| Mixing ratio:                    | 1 part by volume <b>Form Release Agent DMA 1000</b> in 20 parts water   |
| Mixing ratio for new forms:      | 1 part by volume <b>Form Release Agent DMA 1000</b> 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  |

### COVERAGE

10-30 g/m<sup>2</sup>.

### PACKAGING

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

### STORAGE

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

### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Form Release Agent DMA 1000** is dangerous to aquatic life - do not dispose of the product to the environment. We recommend the use of protective gloves and goggles and to take the usual precautions for handling chemical products. For further and complete information about the safe use of our product please refer to the latest version of our Material 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](http://www.mapei.com)

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**



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