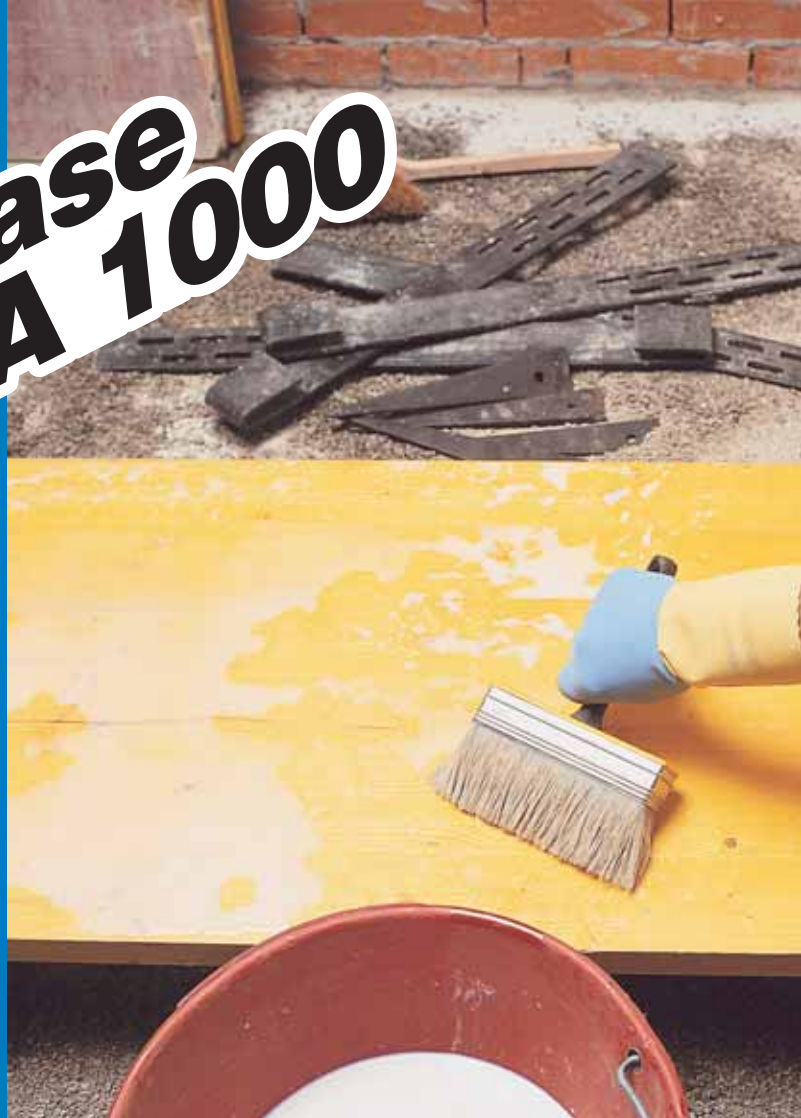




# Form Release Agent DMA 1000

## 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

**DMA 1000** is a product based on special oils, admixtures and emulsifiers developed in the MAPEI research 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 in 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.).

#### COVERAGE

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

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Examples of formwork treated with DMA 1000 Form Release Agent

## TECHNICAL DATA (typical values)

### PRODUCT IDENTIFICATION

<b>Consistency:</b>	fluid liquid
<b>Colour:</b>	yellow-brown
<b>Density (g/cm<sup>3</sup>):</b>	0.89 ± 0.02 at +20°C
<b>Dry solids content (%):</b>	100
<b>Hazard classification according to EC 1999/45:</b>	harmful to aquatic organisms. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet
<b>Storage:</b>	must be stored in its original packaging in a dry place
<b>Inflammability:</b>	no
<b>Customs class:</b>	3403 99 90

### APPLICATION DATA

<b>Mixing ratio:</b>	1 part in volume <b>DMA 1000</b> in 20 parts water
<b>Mixing ratio for new forms:</b>	1 part in volume <b>DMA 1000</b> in 5-10 parts water
<b>Colour of emulsion:</b>	white
<b>pH of emulsion:</b>	7.5
<b>Stability of emulsion:</b>	1-2 days
<b>Minimum application temperature:</b>	+1°C
<b>Drying time:</b>	3-5 hours at +20°C

### PACKAGING

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

### STORAGE

**DMA 1000** must be stored in its original packaging in a dry place.

### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**DMA 1000** is harmful to aquatic organisms – avoid release to the environment. For further information refer to the Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

### WARNING

Although the technical details and recommendations contained in this 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 intending 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 use of the product.*

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

