



Form Release Agent DMA 3000



Form release-agent based on vegetable oils in water emulsion with chemical and physical action for improving architectural concrete

WHERE TO USE

Anti-adhesive treatment of iron, aluminum and plastic forms (epoxy, phenolic, polyester and polyurethane resins).

Some application examples

- to facilitate form release of precast concrete;
- to facilitate form release of steam-cured concrete;
- to form release concrete cast in plastic forms;
- to form release concrete cast in metal forms.

TECHNICAL CHARACTERISTICS

DMA 3000 consists of a stable emulsion of vegetable oils, corrosion inhibitors and special admixtures developed in the Mapei research laboratories.

DMA 3000 owes its efficacy to physical action of conventional form release agents, which counter-act adhesion of concrete to forms, and to chemical reaction with cement paste in contact with forms promoting its release.

DMA 3000 features the following advantages:

- Improved surface finish thanks to the drastic reduction of large and micro surface air bubbles.
- No surface dusting.

- No grease stains, even with white cements.
- Less cleaning of forms.
- Simple low-cost application.
- **Is easily and rapidly biodegradable;** non toxic, does not irritate and does not cause sensibilisation.
- Is not subject to the Italian law for the use of form release-agents based on mineral oils.

RECOMMENDATIONS

- Do not dilute **DMA 3000** with water.
- Do not dilute **DMA 3000** with solvents or other oils.
- Preferably use **DMA 1000** with raw wood forms.
- Do not use **DMA 3000** with concrete or gypsum forms. Preferably use **DMA 2000**.
- When using with rubber forms make sample tests or contact the Mapei Technical Services.

DIRECTIONS FOR USE

DMA 3000 is ready to use.

Application

Spray **DMA 3000** using a pump with a spray nozzle, onto clean, dry forms.

TECHNICAL DATA (typical values)	
PRODUCT IDENTIFICATION:	
Consistency:	fluid liquid
Colour:	white
Specific gravity:	1.00 ± 0.01 kg/l at +23°C
Dry solids:	33%
Brookfield viscosity (1 shaft, 20 revs):	100 cPs at +23°C
Release action:	chemical-physical
Storage:	12 months in original sealed packaging
Hazard classification according to EEC 88/379:	none
Customs class:	3403 99 90
APPLICATION DATA	
Preparation:	ready to use
Application:	low-pressure pump with spray nozzle

For effective stripping of forms, do not exceed recommended dosage. This can cause the formation of a fine dust on the surface which can alter the final finish.

Cleaning

Tools used for applying **DMA 3000** can be cleaned with water.

CONSUMPTION

Metal forms: 15-25 g/m².
Plastic forms: 15-25 g/m².

STORAGE

Store in closed containers.

PACKAGING

200 l drums.

23 - 4.5 kg drums.

1000 l or bulk also available on request.

WARNING

N.B. Although the technical details and recommendations contained in this report 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 applications; 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.

