

BIODEM® HQE

DELAYED FORM REMOVAL AGENT EMULSION OF VEGETABLE OIL IN AQUEOUS PHASE

Delayed form agent



EU Ecolabel : FR/027/012



Update on 16/07/2024

Properties

BIODEM® HQE is a product for delayed form removal from concrete.

It takes the form of an emulsion of vegetable oils in water.
BIODEM® HQE will not harm users health or the environment.

BIODEM® HQE has the following advantages :

- Excellent surface quality of the concrete, uniform colour,
- Readily biodegradable,
- Classified non-dangerous for human and aquatic environments (certified ECOLABEL by AFNOR),
- Solvent-free, the product is non-flammable and odourless.

Its white colour makes it easy to check the uniformity of application and its presence on all parts of the shuttering.

This white colour disappears shortly after its application on the formwork, leaving a film that is oily to the touch.

Its use allows the subsequent application, according to the rules of the art, of paints, coatings, adhesive cement.

Domains of application

- Construction site,
- Precasting,
- Curing up to 60°C,
- Architectonic, white, coloured concretes,
- Use at temperatures between 0 and + 35°C.

Characteristics

Form	Liquid
Colour	White to yellow
Density at 20 °C	0,95
Viscosity at 20°C (Coupe Iso 4)	50 ± 10 s
Ultimate biodegradability (according to standard NF EN ISO 9408 – OCDE 301 F)	> 60% on the 14th day
Flash point	> 100 °C

Installation / Product application / Usage

BIODEM® HQE is applied to metal formwork, bakelized plywood, treated wood.
For use on an elastomer, polyurethane, or polystyrene substrate, consult the Good Practices Guide.

Application on clean surfaces with a rag and by MESTO pressure sprayer at 4 bar minimum, with a hollow cone nozzle types 1302/1301 circular jet.
The sprayed film must be uniform, without gaps or excess thicknesses.

Wipe off the excess using a squeegee or a cloth to produce an optimum finish.

Always avoid surpluses, detrimental both to the finished appearance and to the adherence of any subsequent surfacing.

Clean the formwork after each stripping.

Associated surfacings: at least 15 days (20°C) on substrates compliant with DTU 26.1.

Using BIODEM® HQE to protect shuttering and site equipment is not recommended.

If the product freezes on the formwork, formwork removal will not be affected.

Proportion

1 liter for 50 m², depending on the porosity of the substrate and the type of application.

Safety

Refer to the safety data sheet.

Storage

6 months in original packaging, away from frost (<0°C) and high heat (between 5 and 35°C).

Packaging

Container : 1000 liters
Drum : 215 liters
Jerrycan : 30 liters

The data sheets are written in French. The English version is provided for informational purposes. In case of conflict, only the French version shall prevail between the parties.

The information provided in this document is for guidance only and reflects our current knowledge. We shall not be responsible or liable for any improper or inappropriate use of our products.

Given the wide range of possible uses, our recommendations do not exempt users from carrying out their own tests. Our laboratory and technical department will be happy to provide you with any information you may require.

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