

# PRODUCT DATA SHEET

## Sika® Separol® W-220

### BIOLOGICAL DEGRADABLE WATER BASED MOULD RELEASE AGENT

#### DESCRIPTION

Sika® Separol® W-220 is a ready to use, solvent and mineral oil free concrete release agent. It is an emulsion, based on biological degradable synthetic oil.

#### USES

Sika® Separol® W-220 can be applied on sites and in precast plants.

It has been specially developed for use on:

- Smooth non-absorbent formwork
- Absorbent formwork
- Heated formwork (up to +70°C)

Sika® Separol® W-220 is also suitable for:

- Textured formwork

#### CHARACTERISTICS / ADVANTAGES

Sika® Separol® W-220 has the following characteristics:

- Low viscous
- Excellent 'sticking' ability on vertical mould surfaces
- Self leveling after spray application
- Highly pore suppressing
- No combustible vapor
- No creation of resin
- Reduced 'dusty' residues on the formwork
- Safe for the operatives to handle

This provides the following advantages:

- Easy and precise separation of the formwork from the hardened concrete
- High quality surface finish
- No reduction of the concrete quality at the surface
- Protection of formwork from steel corrosion and early ageing

#### APPROVALS / CERTIFICATES

Sika® Separol® W-220 is tested according to Sika® internal testing procedures.

#### PRODUCT INFORMATION

<b>Composition</b>	Synthetic oils, miscible in water
<b>Packaging</b>	Plastic can: 20 liter Drum: 210 liter IBC: 1000 liter
<b>Appearance / Colour</b>	Liquid, milky white
<b>Shelf life</b>	6 months from date of production if stored properly in original unopened undamaged and sealed packaging.
<b>Storage conditions</b>	Protect from frost, direct sunlight and contamination. Opened units should be stored closed.
<b>Density</b>	0.97 g/cm <sup>3</sup> (at +20°C)

## APPLICATION INFORMATION

### Consumption

Sika® Separol® W-220 yields an efficiency, depending on application circumstances and used formwork, of up to ~ 140 m<sup>2</sup>/kg for non absorbent formwork (e.g. steel or plastic)

### Ambient Air Temperature

+5°C min. / +50°C max

## APPLICATION INSTRUCTIONS

### APPLICATION

Before application, Sika® Separol® W-220 should be thoroughly stirred. Sika® Separol® W-220 is a ready to use. Do not dilute or mix with other materials!

The moulds should be dry and clean.

Any residues of rust and concrete must be removed before application.

Sika® Separol® W-220 is applied in thin layers with a fine, white dotted appearance, covering the complete surface (an additional application may be necessary in case of highly absorbent formwork).

We recommend the use of a special spray gun with an operating pressure of 3-6 bar and a flat spraying nozzle (01 F 110 i.e. 652.307 or 652.245).

Accumulations of Sika® Separol® W-220 should be avoided. Any excess should be wiped off using a cloth or sponge.

After application, an evaporation period of 20 minutes at +20°C should be observed.

Before concreting preliminary tests are recommended to optimize the procedure for each project.

### BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

### LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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