

# PRODUCT DATA SHEET

## Sika® Separol® W

### BIOLOGICAL DEGRADABLE WATER BASED MOULD RELEASE AGENT

#### PRODUCT DESCRIPTION

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

Sika® Separol® W is mainly used for the following applications:

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

#### CHARACTERISTICS / ADVANTAGES

Sika® Separol® W has the following characteristics:

- Excellent 'sticking' ability on vertical mould surfaces
- Self levelling after spray application
- Non combustible vapour
- 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 / STANDARDS

Sika® Separol® W is tested according to Sika® internal testing procedure.

#### PRODUCT INFORMATION

<b>Chemical Base</b>	Synthetic oils, miscible in water
<b>Packaging</b>	20 litre drum, 1000 litre IBC
<b>Appearance / Colour</b>	White Liquid
<b>Shelf Life</b>	6 months from date of production if stored properly in undamaged unopened, original sealed packaging.
<b>Storage Conditions</b>	Store in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.
<b>Density</b>	0.97 Kg/Litre
<b>pH-Value</b>	8.0 ± 1.0

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## APPLICATION INFORMATION

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<b>Consumption</b>	50-60 m <sup>2</sup> /litres for steel and plastic
	40-50 m <sup>2</sup> /litres for coated plywood
	20-30 m <sup>2</sup> /litres for untreated timber

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## APPLICATION INSTRUCTIONS

### COMPATABILITY

Contact our Technical Service Department for information and advice about any specific combinations.

### DISPENSING

- The moulds should be dry and clean.
- Any residues of rust and concrete must be removed before application.
- Sika® Separol® W 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.
- Over application of Sika® Separol® W 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 prior to casting.

### APPLICATION METHOD / TOOLS

- The standard rules of good concreting practice, concerning production and placing, are to be followed.
- Production trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components.
- Fresh concrete must be cured properly and curing applied as early as possible.

### CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

### NOTES ON APPLICATION

- Before application, Sika® Separol® W should be thoroughly stirred. Sika® Separol® W is ready to use. Do not dilute or mix with other materials!
- Before concreting preliminary tests are recommended to optimise the procedure for each project.
- Support from our Technical Service Department is recommended.
- Frost: If frozen and / or if precipitation has occurred, Sika® Separol® W may be used after thawing slowly at room temperature followed by intensive remixing.

## VALUE BASE

All technical data stated in this Product Data Sheet are

based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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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Product Data Sheet  
Sika® Separol® W  
December 2018, Version 02.01  
021405021000000080

SikaSeparolW-en-GB-(12-2018)-2-1.pdf

