

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

FEATURES

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

CERTIFICATES AND TEST REPORTS

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

PRODUCT INFORMATION

Composition	Synthetic oils, miscible in water
Packaging	Plastic can: 20 liter Drum: 210 liter IBC: 1000 liter
Appearance and colour	Liquid, milky white
Shelf life	12 months from date of production if stored properly in original unopened undamaged and sealed packaging.
Storage conditions	Protect from frost, direct sunlight and contamination. Opened units should be stored closed.
Density	0.97 g/cm ³ (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 ² /kg for non absorbent formwork (e.g. steel or plastic)
Ambient air temperature	+5°C min. / +50°C max

BASIS OF PRODUCT DATA

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.

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.

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.

LOCAL RESTRICTIONS

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

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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