

PRODUCT DATA SHEET

Sika® Separol®-3021 WB

High performance vegetable-based emulsion mould release agent

DESCRIPTION

Sika® Separol®-3021 WB is a multi-purpose vegetable-based water emulsified release agent. Unlike other products this emulsion separates upon contact with the mould surface and the oil component is released and deposited on the mould surface whilst the water component runs off or evaporates, thus the emulsion breaks down, leaving behind a very thin deposited oil film, which releases cast concrete perfectly.

USES

Sika® Separol®-3021 WB may be used for all general applications and is especially reliable for achieving high quality off-shutter finishes and effectively minimises pin- or bug-holes. **Sika® Separol®-3021 WB** is suitable for use various moulds including steel, polyurethane and silicone rubber, acrylonitrile butadiene styrene (ABS), fibre-reinforced plastic composites (FRP), polypropylene and polyethylene (PE). **Sika® Separol®-3021 WB** is not recommended for use on latex rubber.

The use of specific mould releasing agents should with specific moulds should always be determined by site trials. Oils should typically not be used on rubber or certain plastic moulds. Waxes are especially suited for non-absorbing shutters as a base preparation and chemical sensitive moulding materials such as certain plastic and rubber. Properties listed are for guidance and are not a guarantee of performance.

CHARACTERISTICS / ADVANTAGES

- Minimises pin- or bug-holes.
- Moulds can be cleaned with water/detergent.
- Will not degrade or chemically attack mould surfaces.
- Extends mould usage life.
- Will not be absorbed by polyurethane rubber moulds (long exposure to mineral oils can cause dimension changes and softening causing moulds to tear when demoulding).
- Reduced fire risk (flash point over 200 °C).
- Ease of application.

PRODUCT INFORMATION

Packaging	Sika® Separol®-3021 WB is available in 20 litre drums.
Appearance / Colour	Whitish Liquid
Shelf Life	Shelf life of 5 years from date of manufacture when stored in undamaged, unopened packaging.
Storage Conditions	Store under cover, out of direct sunlight and protect from extremes of temperatures. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Density	0.90 - 1.00

TECHNICAL INFORMATION

Specific Advice

DIRECTIONS FOR USE

Adhering to storage requirements, it is recommended the product is agitated by shaking or stirring before use.

Apply before the first casting and thereafter reapply immediately after stripping and cleaning the mould.

May be sprayed, dipped, brushed or ragged onto the mould surface to deposit a thin film of the release oil. Lightweight horticultural sprayers are ideal as Sika® Separol®-3021 WB is finely atomized to give a uniform coating. When spray applied, a fine film of milky droplets should be visible on the mould surface. The oil quickly separates from the emulsion and is deposited on the mould.

Water droplets may be wiped off or left to evaporate, but concrete may also be cast before the water has evaporated. It has been found that tipping of the mould to let the separated water run away yields good results. Site trials recommended to determine the ideal application for site specific moulds and conditions. Coverage should be as thin a layer as possible, but cover 100% of mould surface. Excessive application should be avoided. Alternatively, application may be made by a fine haired brush, only a very thin coating should be made and any excess removed.

Substrate

Coverage is 25 m²/l

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

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Consult the Safety Data Sheet (SDS) for detailed information.

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.

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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