

Release Agent MK-51/11

Description:

Release Agent MK-51/11 is a water-based "ready-to-use" - release agent, forming a coherent release film on the mould. Though this film is micro-thin, it is, after the curing process, highly resistant and temperature stable up to 300°C. Release Agent MK-51/11 develops a strong chemical bonding to most mould materials and thus provides a high number of releases per application. Release Agent MK-51/11 does not transfer to the moulded parts, allowing further processing like varnishing or gluing without subsequent treatment. Build-up on the moulds, caused by depositions of pigments, anti-aging agents, resin residues etc. is reduced considerably. A build-up caused by Release Agent MK-51/11 is unlikely if it is used as directed. Due to the hardness of the release film, parts produced with Release Agent MK-51/11 will have a matt surface.

Application Fields:

Release Agent MK-51/11 is suitable for any kind of rubber processing. In tire manufacturing this product can be implemented for all types of tires, especially for winter tires (passenger cars and trucks) and tires for earthmover and agricultural vehicles. Release Agent MK-51/11 is suitable for any kind of elastomer and curing systems, except silicone-rubber.

Application:

The first step is to thoroughly clean the mould. We recommend to wash the molds afterwards with a fast evaporating solvent to be sure to have eliminated all grease- or wax residues. As a priming coat, 1-2 thin uniform layers of the release agent are applied to the hot mould. Longer drying time and higher temperature will result in an improved durability and an increased number of possible releases per application. After this pre-treatment the processing can be started. To refresh the release film, it is sufficient to reapply a single, light coat of Release Agent MK-51/11, considering the drying time.

Technical Data:

Composition:	aqueous emulsion of synthetic resins, solvent-free
Appearance:	white liquid
Density [g/cm³]:	approx. 1
pH-value (20°C):	approx. 5

Packaging:

Drum	200 kg
IBC	1000 kg

Storage:

Release Agent MK-51/11 should be stored in tightly sealed containers and has to be protected from frost, heat and direct sunlight. If these rules are obeyed, the product can be stored for at least 6 months. The expiry date is stated beneath the production date on the labels of each container.

Information for regulations on safety and transportation are provided in the safety data sheet

Further information:

Product technical information and data is based on the best information available and does not constitute or imply a warranty or patent infringement of any kind. The user is responsible for testing product suitability prior to use in production.

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