

Release Agent MK-444

Description:

Release Agent MK-444 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 very resistant after cure, even to abrasive materials and temperature stable up to 300°C. The product contains a slip agent, resulting in remarkably smooth surfaces, drastically reducing the friction between the elastomer and the release agent. Nevertheless, the strong chemical bonding to most mould materials, providing multiple releases per application, is not impaired. Release Agent MK-444 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-444 is unlikely if it is used as directed.

Application Fields:

Release Agent MK-444 is suited as a release agent for the processing of all rubber types except silicone-rubber. Especially in tire manufacturing Release Agent MK-444 has proven its suitability with any kind of common types of tires.

Application:

To prevent from problems due to separation of the product, Release Agent MK-444 has to be mixed after seven (7) calendar days of storage at the latest. The moulds have to be thoroughly cleaned prior to start production. After the cleaning it is recommended to wash the moulds with a fast evaporating solvent to eliminate all grease or wax residues. As a priming coat two thin uniform layers of Release Agent MK-444 are applied to the hot mould. The longer the drying time and the higher the temperature, the better is the durability and therefore the number of possible releases per application. After this pretreatment the processing can be started. To refresh the release film, it is sufficient to reapply a single, thin coat of Release Agent MK-444. Drying times have to be respected.

Technical Data:

Composition:	water based solution of synthetic resins, solvent free
Appearance:	cloudy fluid
Density [g/cm³]:	approx. 1
pH-value (20°C):	> 8

Packaging:

Can	10 kg
Drum	200 kg

Storage:

Release Agent MK-444 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 12 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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