

DS-400

Multi-release agent – inside tire paint

PRODUCT DESCRIPTION

DS-400 is a high-quality release agent used in the tire-curing process in industrial production. The product is applied onto the inner liner of uncured tires before they are cured, and it allows a multiple release.

It provides excellent separation and elimination of the air trapped between the tire and curing membrane (bladder) during the curing process, as well as the effective release of the tire after the curing process. The product minimizes the defect levels and ensures achieving the optimal tire uniformity.

It protects the curing membrane (bladder) very well and thus increases its durability.

SUITABLE APPLICATION AREAS

All common tire types. Passenger car tires (standard and UHP). Light truck and Truck/Bus, MPT, Agro/Farm tires,

COMPOSITION

DS-400 is an aqueous emulsion, silicone based, unfilled product, solvent free.

PHYSICAL AND CHEMICAL FEATURES

Appearance : white emulsion.

Scent : moderate smell.

Density = 1,01 kg/l.

Solids = 50-52 %.

PH = 4,5-5,5.

SPECIFIC FEATURES AND BENEFITS

Multi-release agent - multiple releases per application (1 to 8 releases per application).

High separative, slip and air bleed effects.

Simple application.

Lower raw material usage.

Very clean final tire appearance.

APPLICATION INSTRUCTIONS

DS-400 is intended to be applied onto the inside of uncured tire prior to the curing process.

During the curing process the product is transferred to the surface of the bladder, and it allows the release of multiple untreated tires between applications.

To achieve the best possible results the product needs to be applied in such way so that it creates an even, compact separative layer.

The most common method of applying the product is by automated spray systems (spraying or rotating disc).

CONSUMPTION AND DOSAGE

DS-400 is economical to use.

The dosage is individual and depends on the technology being used. It is suggested to apply approx. 4 - 8 g/m² (approx. 3 to 6 grams per standard passenger car tire) onto the inside of each fourth uncured tire or up to each sixth uncured tires. The optimal dosage needs to be determined by testing applications.

STORAGE

DS-400 has to be stored in closed containers in a well-ventilated place.

The product has to be stored at a temperature between 5 °C and 40 °C, and kept away from frost.

The product can be stored in its original packaging for 6 months from its date of manufacture, comply with the storage instructions.

DELIVERY

Metal barrel - 200 kg , a container IBC - 1000 kg.

RISK MEASURES AND DISPOSAL INFORMATION

The data are stated in MSDS for **DS-400**.

Note: The above information are presented dutifully but with no guarantee, which also applies to property rights required by the third parties.

This Technical Description issued 11 - May 2016 updates all of the preceding versions, which hereby cease to be effective.