



KETTLITZ-Antitack BTO-30

- technical leaflet -

Antitack BTO-30 is a dispersion of very fine magnesium stearate. Due to its additives (detergents, anti-rust and anti-foam agents) it can be used in batch-off-systems (dip tank or spraying system) as well as for Barwell equipment. Antitack BTO-30 was developed to prevent environmental pollution caused by heavy metal ions of the usual zinc stearate dispersions. The pure magnesium stearate which is used for Antitack BTO-30 has a melting point of 135 °C, but the material which remains on the surface of treated unvulcanized rubber sheets or strips melts already at approx. 90 °C. After melting, it penetrates into the rubber compound and has no influence on physical properties or rubber-metal (or rubber-textile) bonding.

In trials we ran in our lab concerning antitack properties, Antitack BTO-30 always showed the best results, also in comparison to several products of our competitors.

Customers who already have Antitack BTO-30 in use confirmed the excellent properties of this product. The most important points they mentioned were:

- fast drying of treated rubber parts, so that further processing and storage can follow soon
- the surface of treated rubber parts seems to be clean even at dilution rates of 1 : 10, due to the very fine particle size of the used magnesium stearate
- no foaming problems
- pollution of batch-off equipment is minimized compared to the use of „normal“ antitack agents based on zinc stearate of products containing fillers (e. g. silica, chalk, bentonite)
- very good antitack properties, and therefore high dilution rates

The fifth point has the consequence that less material is needed and this means lower costs for material **and** for cleaning periods.

Dilution ratio for first tests: 1:15 (Antitack BTO-30:H₂O)

We propose to mix the concentrated antitack agent with water in a ratio of 1:1 first and to dilute it afterwards.

Properties

Chemical Characteristics		magnesium stearate in combination with detergents, antirust and antifoam agents
Appearance		white paste of medium viscosity
Density at 20 °C	(g/cm ³)	approx. 1.02
Dry Matter (0.5 g/15 min./109 °C)	(%)	27.0 ± 2.5
pH-value at 20 °C (dilution ratio 1 + 10)		9.5 ± 1.0
Physiol. Behavior		see safety data sheet
Storage Stability		2 years in originally sealed drums
Packing		plastic drums containing 100 kg net