

ASKOCOAT

Resin system for 2K PU controlled release fertilizer coatings

Product properties

ASKOCOAT 420 is a modified phenolic resin formulation with natural oils. ASKOCOAT 500 is a modified isocyanate formulation. Both products are especially designed for fertilizer coatings to achieve controlled release properties.

Application

Applied on fertilizer granules this resin system provides a coating with excellent adjustable release properties, high efficiency and good mechanical properties and heat resistance. The release time can be adjusted from 2 to 24 months depending on the quantity of coating material.

The typical mixing ratio (polyol/ isocyanate) is 1 / 1.

Catalyzed with Cat. 806 this system enables to run a very fast and efficient process. The typical curing time for one layer depends on the process and needs < 2 minutes to be tack free in most cases.

Analytical data

ASKOCOAT 420

- Form: Liquid
- Viscosity: 1.0 – 2.0 Pa.s, 25 °C
- OH-value: 200 – 400 mg KOH / g
- Gel-time: 10 – 20 min

ASKOCOAT 500

- Form: Liquid
- Color: Dark brown
- Viscosity: 150 - 300 mPa.s, 25 °C
- NCO-content: 30 – 35%

Packaging and storage

- Packaging: 200 kg drum | 1.000 kg IBC | bulk
- Minimum shelf life: 6 months in closed original packaging
- Detailed health and safety information please find in the corresponding safety data sheet.