

## KOSMOS® 33

KOSMOS® 33 is a catalyst used in the manufacturing of polyisocyanurate foams consisting of potassium acetate dissolved in polyglycol.

### Physical Properties

Appearance (20 °C)	clear, colourless liquid
Viscosity (25 °C)	400 – 700
Potassium content	12 – 14
Water content	<=2.0 %
OH number*	approx. 815 mg KOH/g

\*calculated value which is not part of the specification

### Instructions for Storage

For KOSMOS® 33 we guarantee a shelf life of at least 12 month upon delivery in factory-sealed containers.

KOSMOS® 33 has a solidification point below -20° C. Apart from increased viscosity no further deterioration of the material could be observed at storage temperatures around 0° C. It is, however, recommended to adapt the temperature of KOSMOS® 33 to room temperature before the material is used.

KOSMOS® 33 gives a clear solution with water, alcohols and other polar solvents. Since the product is hygroscopic, it must always be stored in sealed containers.

When KOSMOS® 33 is used together with an amine the two components should not be mixed but dissolved in the polyol one after the other.

### Application

KOSMOS® 33 is recommended for use in formulations with higher isocyanate indexes, in order to achieve a quick and uniform formation of the isocyanurate structure.

In the manufacturing process of discontinuous polyurethane rigid foam KOSMOS® 33 shortens the reactive time.

KOSMOS® 33 can also be applied with the objective to improve dimensional stability, in order to prevent "subsequent expansion" of molded foams thanks to shortened demolding times.

KOSMOS® 33 should always be used together with an appropriate amine co-catalyst, in order to obtain a homogeneous profile of the reaction. For an optimal PUR / PIR ratio in the final foam it is recommended to use KOSMOS® 75, KOSMOS® 75 MEG or KOSMOS® 75 LO because of synergistic effects.

The applied concentration of KOSMOS® 33 should be between 1,0 and 2,0 parts per 100 parts polyol.

### **Packing**

800 kg pallet (4 x 200 kg in steel drums)

1 000 kg plastic container

### **For information**

- on classification and labelling in accordance with shipping instructions and the Toxic Substances Control Act
- on protective measures during storage and handling
- on measures in case of accidents and fire
- on toxicology and ecological toxicity

please refer to our safety data sheets.

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