

TYPE

Amine-accelerated, unsaturated polyester resin of medium reactivity which is cold-curing, even at 0 °C, and yields highly flexible polymers.

USES

As a binder for highly filled knifing fillers, especially for use with stoving coating systems.

FORM SUPPLIED

Approx. 65 % in styrene

SPECIFICATION

Non-volatile content (2 g, 1 h, 125 °C): 65 ± 1.5 %

DIN EN ISO 3251

Viscosity (23 °C): 750 ± 100 mPa·s

DIN EN ISO 3219/A.3

Acid value, supply form: 10 ± 5 mg KOH/g

DIN EN ISO 2114

Iodine color value: ≤ 10

DIN EN 1557

OTHER DATA*

Curing time (25 °C – 35 °C): approx. 13 min

DIN 16 945, 6.2.2.2

Curing time (25 °C – maximum curing temp.): approx. 19 min

DIN 16 945, 6.2.2.2

Maximum curing temperature: approx. 80 °C

DIN 16 945, 6.2.2.2

Density (20 °C): approx. 1.11 g/cm³

DIN EN ISO 2811-2

Flash point: approx. 30 °C

DIN EN ISO 1523

* These values provide general information and are not part of the product specification.

PROPERTIES / APPLICATION

ROSKYDAL K 68 is ideal for use as the sole binder in overbaking-resistant fillers. These retain their adhesion and high flexibility at temperatures up to 170 °C.

Formulation

Talc, dolomite/calcite and powdered barytes with low iron content have proved suitable as extenders, with talc as the main component because it improves the adhesion of the filler to the substrate. Only coarse and blended talcs should be used to formulate overbaking-resistant fillers.

SOLUBILITY / THINNABILITY

Aliphatic hydrocarbons	insoluble
Esters	soluble
Ketones	soluble
Styrene	partly soluble
Toluene, xylene	partly soluble

COMPATIBILITY

ROSKYDAL 620	compatible
ROSKYDAL E 65	compatible
ROSKYDAL K 14 M	compatible
ROSKYDAL K 27/1	compatible
ROSKYDAL K 30	compatible
ROSKYDAL K 36	compatible
ROSKYDAL K 40 T	compatible
ROSKYDAL K 45	compatible
ROSKYDAL K 60	compatible
ROSKYDAL K 65	compatible

STORAGE

When stored in its sealed containers at a temperature not exceeding 23 °C, the product will remain stable for at least 365 days.

LABELING AND REACH APPLICATION

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.