

TYPE

Amine-accelerated, unsaturated polyester resin of high reactivity which is cold curing, even around 0 °C, and yields pale, hard polymers.

USES

Binder for highly filled knifing fillers, putties for marble and stone and adhesives.

FORM SUPPLIED

Approx. 64 % in vinyl toluene.

SPECIFICATION

Non-volatile content (2 g, 1 h, 125 °C): 64 ± 1 %

DIN EN ISO 3251

Viscosity (23 °C): 1320 ± 680 mPa·s

DIN EN ISO 3219/A.3

Acid value, supply form: 25 ± 5 mg KOH/g

DIN EN ISO 2114

Iodine color value: ≤ 15

DIN EN 1557

OTHER DATA*

Curing time (25 °C – 35 °C): approx. 6 min

DIN 16 945, 6.2.2.2

Curing time (25 °C – maximum curing temp.): approx. 10 min

DIN 16 945, 6.2.2.2

Maximum curing temperature: approx. 140 °C

DIN 16 945, 6.2.2.2

Density (20 °C): approx. 1.11 g/cm³

DIN EN ISO 2811-2

Flash point: approx. 51 °C

DIN EN ISO 1523

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

PROPERTIES / APPLICATIONS

Because of the high reactivity of ROSKYDAL K 14 VT, fillers based on this product cure fully in a very short time, even when applied in thick coats. They are used in applications requiring hard adhesives and fillers.

A particular advantage of ROSKYDAL K 14 VT is the pale colour of the polymer formed. This makes it ideal for use in the formulation of stoppers for marble and stone, especially on pale marble and if early sanding and polishing is required. ROSKYDAL K 14 VT can be combined with other ROSKYDAL K grades (K 30, K 36, K 45, K 60) to increase their hardness.

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 to the substrate. The more spherical extenders such as dolomite, chalk and barytes ensure dense packing.

SOLUBILITY / THINNABILITY

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

COMPATIBILITY

ROSKYDAL K 14 VT is compatible with ROSKYDAL K 65 VT.

Generally speaking, ROSKYDAL K 14 VT is compatible with ROSKYDAL K grades containing styrene. However, compatibility should be tested beforehand.

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 APPLICATIONS

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.