

TYPE

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

USES

Binder for highly filled, coarse and fine knifing fillers for use on metal, wood and mineral substrates.

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):	575 ± 75 mPa·s
DIN EN ISO 3219/A.3	
Acid value, supply form:	10 ± 5 mg KOH/g
DIN EN ISO 2114	
Iodine color value:	≤ 15
DIN EN 1557	

OTHER DATA*

Curing time (25 °C – 35 °C):	approx. 8 min
DIN 16 945, 6.2.2.2	
Curing time (25 °C – maximum curing temp.):	approx. 12 min
DIN 16 945, 6.2.2.2	
Maximum curing temperature:	approx. 95 °C
DIN 16 945, 6.2.2.2	
Density (20 °C):	approx. 1.13 g/cm ³
DIN EN ISO 2811-2	
Flash point:	approx. 33 °C
DIN EN ISO 1523	

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

PROPERTIES / APPLICATION

Because of the high reactivity of ROSKYDAL K 45, fillers based on this product achieve early dry sandability, especially with sanding machines. The hardness of ROSKYDAL K 45 is equivalent to that of a 4 : 6 combination of the hard ROSKYDAL K 14 M and the flexible ROSKYDAL K 60. ROSKYDAL K 45 is ideal for use as the sole binder for car body fillers. It can be made harder by the addition of ROSKYDAL K 14 M and more flexible by combination with ROSKYDAL K 60.

Formulation

Combinations of talc, dolomite/calcite, crystalline chalk and barytes with low iron content have proved suitable as extenders, with talc as the main component because it improves the adhesion to the substrate and the dry sanding properties. 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 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 60	compatible
ROSKYDAL K 65	compatible
ROSKYDAL K 68	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 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.