SETAL® D RD 181 X

Technical Datasheet

TYPE

Polyester polyol

Hydroxyl content: approx. 4.9 % on solid resin

USES

As the co-reactant for polyisocyanates in the formulation of two-component polyurethane coatings.

FORM SUPPLIED

Approx. 75 % in xylene

SPECIFICATION

Non-volatile content (2 g, 40 min, 125 °C, convection oven): DIN EN ISO 3251	75 ± 1 %
Viscosity (23 °C): DIN EN ISO 3219/A.3	7500 ± 1500 mPa·s
Acid value, supply form: DIN EN ISO 2114	≤ 12 mg KOH/g
Hydroxyl content, supply form: DIN 53 240-2	3.7 ± 0.4 %
Hazen colour value: DIN EN 1557	≤ 150
Water content: DIN 51 777-1	≤ 0.1 %

OTHER DATA*

Equivalent weight, supply form:	approx. 460 g/eq
Density (20 °C): DIN EN ISO 2811-2	approx. 1.08 g/cm³
Flash point: DIN EN ISO 1523	approx. 28 °C

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

PROPERTIES / APPLICATIONS

SETAL D RD 181 X is used in the formulation of coatings for wood, e.g. boats and parquet flooring.

SOLUBILITY / THINNABILITY

SETAL D RD 181 X can be thinned with esters, ketones, glycol esters and aromatics hydrocarbons. However, the solutions formed must be tested for their storage stability.
Prolonged storage of a solution with low binder content may result in turbidity and sedimentation.

Only PU grade solvents should be used (< 0.05 % water, free from other reactive impurities).

COMPATIBILITY

Generally speaking, SETAL D RD 181 X is compatible with many polyesters and Desmodur grades.
Given the many products available on the market, compatibility testing is always advisable.

STORAGE

When stored in originally sealed containers at temperatures not exceeding 30 °C, the product will remain stable for at least 730 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.

[1] Covestro