SETALUX® D A 665 BA/X

Technical Datasheet

TYPE

Polyisocyanate cross-linking Acrylic Resin

Hydroxyl content: approx. 4.6 % on solid resin

USES

Usually in combination with aliphatic polyisocyanates, in the formulation of two-component polyurethane coatings with good gloss retention, lightfastness and chalking resistance. It is particularly suitable for the formulation of automotive coatings.

FORM SUPPLIED

Approx. 65 % in butyl acetate/xylene, 3:1

SPECIFICATION

Non-volatile content (1 g, 1 h, 125 °C):	65 ± 1 %
DIN EN ISO 3251	
Viscosity (23 °C):	2400 ± 500 mPa·s
DIN EN ISO 3219/A.3	
Acid value, supply form:	6.5 ± 2.5 mg KOH/g
DIN EN ISO 2114	
Hydroxyl content, supply form:	2.6 to 3.4 %
DIN 53 240-2	
Hazen colour value:	≤ 100
DIN EN 1557	
Water content:	≤ 0.1 %
DIN 51 777-1	

OTHER DATA*

Equivalent weight, supply form:	approx. 570 g/eq
Density (20 °C):	approx. 1.03 g/cm³
DIN EN ISO 2811-2	
Flash point:	approx. 27 °C
DIN EN ISO 1523	

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

PROPERTIES / APPLICATIONS

SETALUX D A 665 BA/X is mainly used in combination with aliphatic polyisocyanates to formulation of air- and force-drying vehicle repair paints and industrial finishes. The cured paint films are hard but flexible, glossy and high-bodied. They have excellent weather stability and light-fastness and good resistance to solvents and petrol.

SOLUBILITY / THINNABILITY

SETALUX D A 665 BA/X can be thinned to a resin content of 30 % using esters, ketones, ether esters, toluene, xylene and solvent naphtha 100. However, the solutions formed must be tested for their storage stability.

Only PU grade solvents should be used (< 0.05 % water). They should contain no other reactive impurities.

COMPATIBILITY

SETALUX D A 665 BA/X can be mixed with Desmodur[1] L, N 75, N 3390 and Z 4470 and with SETALUX D A 160, A 265, A 365, A 450, A 565 and SETAL® D RD 181. However, the combinations must be tested for their compatibility.

It has only limited compatibility with nitrocellulose chips and cellulose esters.

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