SETALUX® D A 960 SN

Technical Datasheet

TYPE

Polyisocyanate cross-linking Acrylic Resin

Hydroxyl content: approx. 1.3 % on solid resin

USES

In combination usually with aliphatic polyisocyanates for the formulation of two-component polyurethane coatings with good light-fastness and chalking resistance.

FORM SUPPLIED

Approx. 60 % in solvent naphtha 100

SPECIFICATION

Non-volatile content (1 g, 1 h, 125 °C):	60 ± 1 %
DIN EN ISO 3251	
Viscosity (23 °C):	4550 ± 550 mPa·s
DIN EN ISO 3219/A.3	
Acid value, supply form:	3.6 ± 0.8 mg KOH/g
DIN EN ISO 2114	
Hydroxyl content, supply form:	0.6 to 0.9 %
DIN 53 240-2	
Hazen colour value:	≤ 50
DIN EN 1557	
Water content:	≤ 0.1 %
DIN 51 777-1	

OTHER DATA*

Equivalent weight, supply form:	approx. 2265 g/eq
Density (20 °C):	approx. 1.00 g/cm³
DIN EN ISO 2811-2	
Flash point:	approx. 1.3 °C
DIN EN ISO 1523	

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

PROPERTIES / APPLICATIONS

Used primarily in combination with aliphatic polyisocyanates for the formulation of high-gloss, air- and force-drying topcoats. The cured films are characterized by good light-fastness and chalking resistance as well as good single-coat adhesion on steel and most non-ferrous metals.

SOLUBILITY / THINNABILITY

SETALUX D A 960 SN is soluble to a solids content of 30 % with ketones, esters, ether esters and toluene, xylene and solvent naphtha 100. The storage stability of the respective solutions must be tested.

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

The product is not compatible with aliphatic hydrocarbons.

COMPATIBILITY

SETALUX D A 960 SN can be mixed with the following Desmodur[1] and SETALUX D A types: Desmodur N 75, N 3390, Z 4470, L; SETALUX D A 160, A 170, A 365, A 665, A 870.
However, the compatibility must be tested in each case.

SETALUX D A 960 SN is incompatible with Desmodur HL.

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