

TYPE

Polyisocyanate cross-linking Acrylic Resin

Hydroxyl content: approx. 3.1 % on solid resin

USES

Primarily in combination with aliphatic polyisocyanates, in the formulation of two-component polyurethane coatings with good gloss retention, light-fastness and resistance to chalking.

FORM SUPPLIED

Approx. 65 % in butyl acetate

SPECIFICATION

Non-volatile content (1 g, 1 h, 125 °C): 65 ± 1 %

DIN EN ISO 3251

Viscosity (23 °C): 2300 ± 500 mPa·s

DIN EN ISO 3219/A.3

Acid value, supply form: ≤ 15 mg KOH/g

DIN EN ISO 2114

Hydroxyl content, supply form: 1.7 to 2.3 %

DIN 53 240-2

Hazen colour value: ≤ 150

DIN EN 1557

Water content: ≤ 0.1 %

DIN 51 777-1

OTHER DATA*

Equivalent weight, supply form: approx. 850 g/eq

Density (20 °C): approx. 1.06 g/cm³

DIN EN ISO 2811-2

Flash point: approx. 25 °C

DIN EN ISO 1523

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

PROPERTIES / APPLICATIONS

SETALUX D A 265 BA is used primarily in combination with aliphatic polyisocyanates to formulate automotive coatings.

The cured paint films are hard but flexible. They have high gloss, high body and good light-fastness and weather stability.

SETALUX D A 265 BA can be pigmented easily. If using organic pigments, nitrocellulose chips have proved ideal as the paste binder.

SOLUBILITY / THINNABILITY

SETALUX D A 265 BA can be thinned to a resin content of 30 % using ketones, esters, ether esters, toluene, xylene and solvent naphtha 100. However, the solutions formed must be tested for their storage stability. It is not compatible with aliphatic hydrocarbons.

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

COMPATIBILITY

SETALUX D A 265 BA can be mixed with Desmodur¹ N 75, N 3390, Z 4470 and L, and with most SETALUX D A products. However, the combinations must be tested for their compatibility.

It is also compatible with low-viscosity nitrocellulose chips and certain vinyl copolymers. Nevertheless, 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