

TYPE

Polyisocyanate cross-linking Acrylic Resin

Hydroxyl content: approx. 3.6 % on solid resin

USES

Primarily in combination with aliphatic polyisocyanates, in the formulation of high solids two-component polyurethane coatings with good gloss retention, light fastness and resistance to chalking; especially suitable for automotive finishing applications.

FORM SUPPLIED

Approx. 70 % in butyl acetate

SPECIFICATION

Non-volatile content: DIN EN ISO 3251	70 ± 1 %
Viscosity (23 °C): DIN EN ISO 3219/A.3	1200 ± 200 mPa·s
Acid value, supply form: DIN EN ISO 2114	7 ± 1 mg KOH/g
Hydroxyl content, supply form: DIN 53 240-2	2.4 to 2.7 %
Hazen colour value: DIN EN 1557	≤ 75
Water content: DIN 51 777-1	≤ 0.1 %

OTHER DATA*

Equivalent weight, supply form:	approx. 670 g/eq
Density (20 °C): DIN EN ISO 2811-2	approx. 1.05 g/cm ³
Flash point: DIN EN ISO 1523	approx. 27 °C

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

PROPERTIES / APPLICATIONS

SETALUX D A HS 1170 BA is used mainly in combination with aliphatic polyisocyanates in the formulation of high-solids air- and force-drying vehicle repair paints and industrial coatings with a VOC of ≤ 420 g/l.

The cured paint films are hard but flexible, high-gloss and high-bodied. They have outstanding light-fastness and weather stability and good resistance to solvents and petrol.

SOLUBILITY / THINNABILITY

Generally speaking, SETALUX D A HS 1170 BA has a good compatibility with the solvents listed. However, the solutions formed must be tested for their storage stability.

SETALUX D A HS 1170 BA can be thinned to a solids content of 30% with ketones, esters, ether esters, xylene and solvent naphtha 100.

Only PU grade solvents should be used (< 0.05 % water). The product is not compatible with aliphatic hydrocarbons.

COMPATIBILITY

SETALUX D A HS 1170 BA can be mixed with Desmodur N 75, N 3390, N 3400, N 3600, N3900, Z 4470 and L SETALUX D A 365, A 450, A 565, A 665 and SETAL® D RD 181. However, the compatibility must be tested in each case.

It is generally miscible with most CAB grades. However, the compatibility must be tested in each case.

STORAGE

When stored in originally sealed containers at temperatures not exceeding 30 °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.

¹ Covestro