

Setalux D A 575 X

Type	Polyisocyanate cross-linking Acrylic Resin
Characterization	Hydroxyl Content: approx. 3.7% on solid resin
Form supplied	approx. 75 % in xylene
Uses	Primarily in combination with Desmodur [®] N grades, in the formulation of two-component polyurethane coatings with good resistance to accelerated and outdoor weathering.

Specification Property	Value	Unit of measurement	Method
Hazen color value	≤ 100		DIN EN 1557
Acid value	5 ± 2	mg KOH/g	DIN EN ISO 2114
Viscosity at 23 °C	3500 ± 500	mPa·s	DIN EN ISO 3219/A.3
Non-volatile content (1 g resin/ 1 h 125 °C, convection oven)	75 ± 1	%	DIN EN ISO 3251
Hydroxyl content, supply form	2.6 to 3.0	%	DIN 53 240/2
Water content	≤ 0.1	%	DIN 51 777/1

Other data* Property	Value	Unit of measurement	Method
Equivalent weight	approx. 610		
Density at 20 °C	approx. 1.06	g/ml	DIN EN ISO 2811-2
Flash point	approx. 23	°C	DIN EN ISO 1523
Hydroxyl content, solid resin	approx. 3.7	%	

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

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Solubility / thinnability	Setalux D A 575 X can be thinned to a solids content of 40 % with ketones, esters, ether esters, 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.
Compatibility	Generally speaking, Setalux D A 575 X is miscible with the Desmodur [®] and Setalux D A grades listed. However, the combinations must be tested for their compatibility. Setalux D A 575 X can be mixed with Desmodur N 75, N 3390 and Z 4470 and with Setalux D A 365 and A 450.
Properties / Applications	Setalux D A 575 X is mainly used in combination with Desmodur [®] N 75 and N 3390 in the formulation of high-solids two-component polyurethane coatings. These are fast-drying and yield films which are highly flexible, lightfast and weather-stable.
Storage	When stored in sealed containers at temperatures not exceeding 30 °C, the product will remain stable for 12 months.
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 .

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Editor: Nuplex Resins GmbH
Salegaster Chaussee 1
OT Greppin
06803 Bitterfeld-Wolfen, Germany
www.nuplex.com

Contact:
Nuplex Resins BV
Tel. +31 164 276 911