



# Desmophen<sup>®</sup> A 365 BA/X

Type	Hydroxyl-bearing polyacrylate
Form supplied	approx. 65 % in butyl acetate/xylene, 3:1
Uses	As a co-reactant, usually with Desmodur <sup>®</sup> N 75 and N 3390, in the formulation of two-component polyurethane coatings with excellent gloss retention, lightfastness and chalking resistance.

Specification Property	Value	Unit of measurement	Method
Hazen color value	≤ 100		DIN EN 1557
Acid value	7.5 ± 2.5	mg KOH/g	DIN EN ISO 2114
Viscosity at 23 °C	3000 ± 500	mPa·s	DIN EN ISO 3219/A.3
Non-volatile content (1 g resin/1 h at 125 °C, convection oven)	65 ± 1	%	DIN EN ISO 3251
Hydroxyl content	2.9 ± 0.4	%	DIN 53 240/2
Water content	≤ 0.1	%	DIN 51 777/1

Other data* Property	Value	Unit of measurement	Method
Equivalent weight	approx. 585		
Density at 20 °C	approx. 1.04	g/ml	DIN EN ISO 2811-2
Flash point	approx. 30	°C	DIN EN ISO 1523

\*These values provide general information.



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## Solubility / thinnability

Desmophen A 365 BA/X can be thinned to a resin content of 30 % using ketones, esters, ether esters, toluene, xylene and solvent naphtha<sup>®</sup> 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

Generally speaking, Desmophen A 365 BA/X is miscible with the Desmodur and Desmophen grades listed here. However, the combinations must be tested for their compatibility.

Desmophen A 365 BA/X can be mixed with Desmodur N 75, N 3390, Z 4470 and L, with Desmophen 680 and RD 181 and with some of the other Desmophen A grades. It is also compatible with certain vinyl copolymers and nitro-cellulose chips.

## Properties / Applications

Desmophen A 365 BA/X is used in combination with Desmodur N 75 or N 3390 to formulate air-drying vehicle repair paints. The cured paint films are hard, tough but flexible, glossy and high-bodied with excellent weather stability and lightfastness and good resistance to solvents and petrol.

## Storage

When stored in sealed containers at temperatures not exceeding 30 °C, the product will remain stable for at least 6 months.

## Safety

### Hazards identification

Flammable. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness.

Risk of absorption through the skin of xylene and ethylbenzene.

The safety data sheet (030957) should be observed. This contains information on labeling, transport and storage as well as on handling, product safety and ecology.

This Information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery. This does not apply to Trial-Products.

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