

TYPE

Solvent-free, self-crosslinking copolymerisable dispersion consisting of acrylic esters and small amounts of styrene

Neutralization agent

0.4 % N,N-dimethylethanolamine, as salt

FORM OF DELIVERY (f.o.d.)

45 % in water (45WA)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity (Brookfield) DIN EN ISO 2555

dynamic viscosity	[mPa.s]	30 - 600
(2; 100 1/min; 23 °C)		

pH-Value DIN ISO 976

pH-value		6,5 - 7,8
(10 %)		

Non-Volatile Matter DIN 55671

non-volatile matter	[%]	43,5 - 46,5
(125 °C; 10 min)		

Not continually determined:

Colour / Appearance VLN 250

colour		whitish
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Density (Liquids) DIN EN ISO 2811-2

density	[g/cm ³]	1,05
approx. (20 °C)		

Minimum Temperature of Film Formation DIN ISO 2115

minimum temp. of film form.	[°C]	11
approx.		

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 100
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SPECIAL PROPERTIES AND USE

Viacryl VSC 6286w/45WA can be used as sole binder for non yellowing decorative paints and industrial applications.

Viacryl VSC 6286w/45WA can also be used as sole binder for stain, sealer and clear coat/topcoat application for interior & exterior wood applications.

Paints based on Viacryl VSC 6286w exhibit good sandability and excellent chemical resistances. Therefore they are suitable for furniture lacquers as well as floor sealers.

PROCESSING

Especially for the production of pigmented high gloss coatings we recommend to work with binder-free pigment pastes based on our dispersing agent Additol VXW 6200. To obtain best results of the dispersion, the recommended additives should be added to the mill base.

Viacryl VSC 6286w should be formulated with suitable coalescent agents, e.g. 2-(2-methoxy ethoxy)ethanol (methyl diglycol).

For the adjustment of the rheological properties of a white top coat we recommend to use acrylate thickeners, like Mowilith VDM 7000 (Clariant).

As flattening agents common wax emulsions or Syloid W 500 (Grace) are suitable.

Tannic acid rich woods, for instance oak, may be discoloured even by only slightly alkaline systems. We recommend checking this before applying clear coats, although own tests on oak showed no discolouring.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

It is important to protect Viacryl VSC 6286w from frost; at low temperatures it has therefore to be stored under frostproof conditions.

Lowest storage temperature: 0 °C

DISTINGUISHING FEATURES

Contrary to Viacryl VSC 6270w, Viacryl VSC 6286w shows no discolouring on woods of light shades.