VIACRYL® VSC 6276w/44WA

Technical Datasheet

TYPE

Aqueous hydroxy functional copolymer emulsion

FORM OF DELIVERY (f.o.d.)

44 % in water (44WA)

Neutralization agent

1.9 % N.N-dimethylethanolamine, as salt

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219		
dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	200 - 2400
pH-Value DIN ISO 976		
pH-value (10 %)		8,0 - 9,1
Non-Volatile Matter DIN EN ISO 3251		
non-volatile matter (1 h; 125 °C; 1 g)	[%]	42,5 - 45,5

Not continually determined:

Colour / Appearance VLN 250		
colour		whitish
Hydroxyl Value DIN 53240		
hydroxyl value approx. (solid matter content)	[mg KOH/g]	85
Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	1,04
Flash Point (Pensky-Martens) DIN EN ISO 2719		
flash point	[°C]	>100

SPECIAL PROPERTIES AND USE

Viacryl VSC 6276w/44WA can be crosslinked with reactive melamine resins such as Cymel 325 or Cymel 327 to give less-yellowing industrial coating systems with good gloss. The curing schedule is 30 min/120 °C - 20 min/140 °C.

(When crosslinking with hexamethoxymethylmelamine resins- "HMMM", such as Cymel 303 or Cymel 1130 - our special grade Viacryl VSC 6273w/44WA is recommended).

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 6276w/44WA from frost; at low temperatures it has therefore to be stored under frostproof condition.

Lowest storage temperature: + 1 °C

DISTINGUISHING FEATURES

In comparison with Viacryl VSC 6273w/44WA, Viacryl VSC 6276w/44WA doesn't contain a built in catalyst so that it doesn't loose flexibility when overbaked.