



VIAPAL

GELCOAT 920 BSE

UP-resin

based on isophthalic acid, pre-accelerated highly thixotropic for brush application

for protective and decorative finishes on GR-UP laminates, good surface hardness with high impact strength, outstanding weather and water resistance

for water tanks, boats, facade panels, car bodies and industrial parts

VIAPAL GELCOAT 920 BSE is applied by brush in a film thickness of 0.4 - 0.6 mm. For GR-UP moulds the film thickness should be increased to 0.8 - 1 mm. Two coats are recommended to ensure a homogenous thickness. The first coat must be allowed to cure before application of the second.

VIAPAL GELCOAT 920 BSE can be coloured by addition of about 10% VIAPAL colour paste. Laminating may start when the gelcoat layer has cured. Sufficient curing is achieved if after dabbing with a finger no gelcoat adheres to the finger although the surface may be sticky.

VIAPAL GELCOAT 920 BSE can also be applied by gelcoat-spray-equipments or by overhead-spray-gun (nozzle diameter 2 - 3 mm, spray pressure 1 - 3 bar, air quantity appr. 250 l/min) by addition of 20 - 30% styrene.

VIAPAL GELCOAT 920 BSE contains Co-accelerator. Prolonged storage can reduce the effect of the accelerator. An addition of 0.1 - 0.4% accelerator Co 6 may be necessary to restore the original potlife.

Specification of VIAPAL GELCOAT 920 BSE - as supplied

Properties		Unit	Test Method
Viscosity at 20°C	thixotropic	-	-
Non-volatile matter (NVC)	66 ± 2	% b.w.	DIN 53216
Styrene compatibility	unlimited	--	DIN 55955-B
Colour	colourless, turbid	--	--
Density at 20°C	1.12	g/cm ³	DIN 53217/2
Flash point	about 34	°C	DIN 53213
Storage stability at max. 25°C in darkness	6	months	--
Geltime at 20°C with 2.0% MEKP 1.0% Co 1	10 ± 4	minutes	DIN 16945
Properties		Unit	Test Method
Barcol hardness (934-1)	35 ± 2	--	EN 59
Tensile strength	48	N/mm ²	DIN 53455
Elongation	2.6	%	DIN 53455
Water absorption	0.36 45	% mg	DIN 53495 3L-23-168h-W



Data of cured VIAPAL GELCOAT 920 BSE

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