

Polyester Resin



Products	LAMINATING	ADHERE	COVERING		CASTING	FEATURES	SURFACE		POT LIFE	TEMPERATURES	
	... fibre wet-out	... sticking together	... in female moulds (gelcoat)	... on top (topcoat)	... embedding (transparent)		tacky-free surface?	improved chemical resistance?	(min at 20°C)	... processing minimum (recommend) °C	... loadability (HDT / °C)
HP-P21L laminating resin (wax free)	++	o	-	-	-	ORTHO, LSE, slightly thixotropic	no	no	15-20	15	60
HP-P21LP laminating resin (wax containing)	++	-	-	+	-	ORTHO, LSE, slightly thixotropic	yes	no	15-20	15	60
HP-P21LPG laminating resin (wax containing)	++	-	-	+	-	ORTHO, LSE, approval from Lloyd's Register, slightly thixotropic	yes	no	15-20	15	70
HP-P21LS laminating resin (wax free)	++	o	-	-	+	ISO/NPG, LSE, slightly thixotropic, suitable for frp ponds / pools	no	yes	15-20	15	> 90
HP-P21LSP laminating resin (wax containing)	++	-	-	+	-	ISO/NPG, LSE, slightly thixotropic	yes	yes	15-20	15	> 90
HP-P21TC * topcoat (wax containing)	-	-	-	++	-	thixotropic, colourless or coloured, high quality topcoat, suitable for frp ponds / pools	yes	yes	15-20	18	> 80
HP-P21GC * gelcoat (wax free)	-	-	++	-	-	thixotropic, colourless or coloured	no	yes	15-20	18	> 80
HP-P30GB casting resin (wax free)	-	-	-	-	++	ORTHO, LSE, slightly thixotropic	no	no	30	18	70

Fillers

System	Base	Description
HP-GS3 / HP-GS6	chopped glass fibre	fibre length: 3/6mm, increases tensile strength, coupling layers
HP-BF1	cotton flocks	fibre length: 0,2-0,4mm, f. bonding / fillets, coupling layers
HP-MB2	microballons	glass bubbles, d ₅₀ = 50µm, light filling material f. filler, moulding compound and adhesives
HP-TH23	mineralic, rheological additiv	thickener, modification of mechanical properties
HP-PK22	pyrogenic silica SiO ₂	thixotroping agent
HP-FD	colour pigments	colouring of UP, EP and VE resins

Additives / Solvents



System	Base	Description
HP-BEL51	Polysiloxane	degasser, prevents foam and air bubbles
HP-BEL71	Polyacrylate	flow modifier
HP-AC	Acetone	cleaning and degreasing agent
HP-XB	Xylene	epoxy-thinner, cleaning and degreasing agent

Release Agents



All release agents are free of...
Silicone or PTFE!



Products	SUITABLE FOR				APPLICATION WITH			CONSUMPTION	DRY TIME	POLISH - ABILITY	FEATURES / SUBSTRATE	TEMPERATURES	
	Epoxy-resins	Polyester-resins	Vinylester-resins	Poly-urethanes	cloth (soft)	sponge (fine-pored)	spray gun	g/m ²	minutes at 20°C			application min. (recommend)	max. loadability
HP-BM17 wax dispersion, liquid	+	+	+	-	++	+	++	30	15	+	Applicable on smooth, non-porous surfaces. Useable as primer for PVA. Residues can be cleaned with white spirit or thinner XB.	15 °C	80°C
HP-G priming wax, viscous	C	C	C	C	+	-	-	30	5 - 15	o	NO single release agent! Primer for PVA. Residues can be cleaned with white spirit or thinner XB	15 °C	100°C
HP-PVA release film, liquid	++	++	++	++	+	++	++	60	5 - 10	-	Generates very safe release film. Priming with HP-G (or HP-BM17 or HP-CX7) is necessary. Residues can be cleaned with water.	15 °C	100°C
HP-CX7 carnauba-wax, pasty	++	++	++	+	++	-	-	15 - 20	10 - 15	++	Polish in several layers. High-gloss release agent. Useable as primer for PVA. Residues can be cleaned with white spirit or thinner XB.	20 °C	80°C
HP-HGR5 water based, liquid	++	++	++	++	+	++	++	20 - 25	5 - 15	++	Water based—100% free of solvents! Very good release effect with PUR (IMC). Residues can be cleaned with water.	15 °C	150°C



++ = very good applicable + = applicable o = conditionally applicable - = not provided *Gel- and Topcoats are available in different colours C = in combination

Listed is a part of our standard product range. If you have special requires - please contact us.