



Polyester Resin Systems



HP-Te  **tiles**

Polyester Resin Systems

Polyester resins are inexpensive and therefore widespread in the plastic industry. They are very often used in many different and diversified applications such as marine industry, pond / pool coatings and so on. Polyester resins cure with a MEKP-hardener.

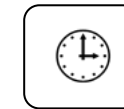
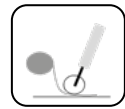
Please consider:

The contained monomer styrene seizes some foams (eg Styrodur®, Styrofoam, ...). This is especially important in the production of sandwich components. As an alternative we offer our epoxy resin systems!

Table guidance for choosing the right Polyester Resin System.

Properties:

- Excellent value compared to other matrix resins
- Good chemical resistance
- LSE (low Styrene Emission) Polyester Resin
- Simple dosage setting
- The viscosity can be adjusted with the addition of Thixotropic Powder (HP-PK22)



Products	LAMINATING	ADHERE	COVERING		CASTING	FEATURES	SURFACE		POT LIFE	TEMPERATURES	
	... fibre wet-out	... sticking together	... in female moulds (gelcoat)	... on top (topcoat)	... embedding		tacky-free surface ?	Improved chemical resistance ?	min. at 20°C	... processing minimum (recommended) °C	... loadability (HDT / °C)
HP-P21L <i>laminating resin (wax free)</i>	++	O	-		-	ORTHO, LSE, slightly thixotropic, laminating resin for frp ponds	no	no	15-20	15	60
HP-P21LP <i>laminating resin (wax containing)</i>	++	-	-	+	-	ORTHO, LSE, slightly thixotropic	yes	no	15-20	15	60
HP-P21LPG <i>laminating resin (wax containing)</i>	++	-	-	+	-	ORTHO, LSE, approval from Lloyd's Register, slightly thixotropic	yes	no	15-20	15	70
HP-P21LS <i>laminating resin (wax free)</i>	++	O	-	-	+	ISO/NPG, LSE, slightly thixotropic, laminating resin for frp ponds / pools	no	yes	15-20	15	> 90
HP-P21LSP <i>laminating resin (wax containing)</i>	++	-	-	+	-	ISO/NPG, LSE, slightly thixotropic	yes	yes	15-20	15	> 90

++ = very good applicable
 + = applicable
 O = conditionally applicable
 - = not provided

* Gel - and Topcoats are available in different colours.

Rev. 1.5

Law change in the Chemicals Prohibition Ordinance (ChemVerbotsV) !!!

The shipping of polyester resins is only possible if the following basics are met:

- Professional use
- Public research, study or educational institutions
- Resellers

In addition, polyester resin systems can only be picked up by persons over 18 years after having a appropriate instruction.

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us. We recommend tests be performed for trials and suitability for the particular type of application. With the newest printing of this data sheet the previous version loose validity!

HP-TeXtiles

Composite Materials

DeinTeich.de

Teich Pool Dach

GfK-Coatings



bredderpoX®

Building Chemistry

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