

RESINS AND GELCOATS FOR THE TRANSPORT INDUSTRY



POLIMAL® 1601 P

Accelerated, unsaturated polyester resin intended for the manufacture of flame retardant polyester-glass laminates in the manual and spray lamination process. Main application area - rail vehicles.

A laminate made with **POLIMAL® 1601 P** and **Gelcoat 1600 P** conforms to EN 45545 at level HL2 for R1 requirements.

FEATURES

- Flame-retardant, thixotropic resin
- Contains halogen-free fillers

GELCOAT 1600 P

External layer of polyester-glass laminates. Available in **Gelcoat 1600 P** version for roller or brush application and **Gelcoat 1600 P** version for spraying.

A laminate made with **POLIMAL® 1601 P** and **Gelcoat 1600 P** conforms to EN 45545 at level HL2 for R1 requirements.

FEATURES

- Contains a halogen-free flame-retardant system
- The coat formed during combustion protects the laminate against the effects of flames
- Available in selected colour options

Gelcoat should be used for varnished products.

POLIMAL® 1608 PS*

Structural resin recommended for the manufacture of polyester-glass laminates with reduced flammability.

Conforms to the European standard UN ECE 118 concerning the burning behaviour of materials used in the construction of motor vehicles.

A laminate made with **POLIMAL® 1608 PS** and **Gelcoat 1608 P/P sp/FP** conforms to DIN 5510 - S4/SR2/ST2.

FEATURES

- Flame-retardant resin
- Contains mineral additives (filled)
- Contains halogen-free fillers

Gelcoat 1608 P/FP/Psp*

Gelcoat for the manufacture of flame retardant polyester-glass laminates. Available in **Gelcoat 1608 P** version for manual application, **Gelcoat 1608 P sp** version for spray application and **Gelcoat 1608 FP** version for spray application with elevated viscosity.

A laminate made with **POLIMAL® 1608 PS** and **Gelcoat 1608 P/P sp/FP** conforms to DIN 5510 - S4/SR2/ST2.

FEATURES

- Contains mineral flame retardant additives
- Contains halogen-free fillers

* A laminate made with POLIMAL® 1608 PS and Gelcoat 1608 P/P sp/FP meets the requirements of section 6.2.2 of UN ECE Regulation No. 118 concerning the melting behaviour of materials.

POLIMAL® 1059 AWTP

Resin intended for the manufacture of polyester-glass laminates in the manual or spray process.

FEATURES

- Good mechanical and processing performance
- Very good glass fibre wetting and saturation

POLIMAL® VE 1606 P INF

Resin recommended for the manufacture of polyester-glass laminates, especially for the RTM and infusion processes.

FEATURES

- Low viscosity
- Very good glass fibre wetting
- Good processing performance
- High thermal resistance (HDT)
- High chemical resistance

POLIMAL® 101-37B

Resin recommended for the manufacture of mineral&resin compositions and putties.

FEATURES

- Medium elasticity
- Good stability
- Contains an amine accelerator

POLIMAL® 1058 P

Resin recommended for the closed-mould manufacture of polyester-glass laminates (RTM).

FEATURES

- Low viscosity
- Good glass fibre and filler wetting
- Very good processing performance
- Low styrene emissions compared to standard resins
- Favourable curing characteristics



POLIMAL® 104 AWTP

Resin intended for the manufacture of polyester-glass laminates in the manual or spray process. Recommended for the making of laminates with thickness up to 5 mm.

FEATURES

- Good glass fibre wetting and saturation
- Favourable curing characteristics
- Good mechanical strength parameters
- Elevated thermal resistance (HDT), min. 90
- Elevated flexural strength
- Reduced styrene emissions

CONTACT

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Gelcoat 1606 P

Gelcoat for the manufacture of flame retardant polyester-glass laminates. Available only in the version for manual application with a brush or roller.

A laminate made with Polimal VE 1606 P INF and Gelcoat 1606 P conforms to EN 45545 at level HL2 for R1 requirements.

FEATURES

- Contains a halogen-free flame-retardant system
- Available in selected colour options

