TOOLING SYSTEMS

The quality of the parts produced depends on the quality of the mould: its long-lasting gloss, its lack of porosity, its hardness, its chemical and thermal resistance, and its dimensional stability.



Polynt

A complete system for greater performance

Toolings are subjected to high mechanical and thermal stresses.
POLYNT PROCESS products robustness and resistance guarantee their reliability over time.
• MODELING PRIMERS, for extremely high gloss models.
• GC VINYLESTER, with both high HDT and significant elongation.
• SKIN COAT VINYLESTER, with minimal shrinkage that prevents marking and enhances both the chemical and mechanical properties.
• POLYMOLD, low shrink tooling resin that guarantees excellent dimensional stability over time.

PREPARATION OF MODELS

The modelling primers formulated by POLYNT PROCESS will allow you to produce extremely high gloss models, so as to obtain high quality moulds.
These primers are generally used by spraying, but are also available in a version for spatula application.
They have excellent adherence to wood, MDF, polyester and metal.
They are highly rated for their ease of use: they harden quickly and they are easy to sand without porosity.
They are compatible with PU paints and primers.

PO 109 TACC
Pre-accelerated, thixotropic polyester resin for polystyrene contact.

#NEW
CORE
Polyester putty, it allows precise and fast plug production for composite moulds.
White coloured, with low density and fast hardening without shrinkage.
Weak exothermic peak. It can be machined without dust or tearing.
Available in spray (CORE L5116 VM) and extrudable (CORE L5185 VS) versions.

POLYFILLER 151 & POLYFILLER 155
Sandable primer for shape and master mold finishing.
Excellent adhesion to metal, polyester and wood substrates.
Fast curing time / Easy sanding.
No porosity / Excellent resistance to impact / Gloss finish.

POLYFILLER YELLOW 160
Lightweight, sandable primer. Excellent sanding characteristics.

POLYGLOSS
Direct Gloss sandable primer for finishing master casts, with high gloss and very good flow.
Can be applied to POLYFILLER Yellow 160.
Easy to use / Optimised sanding.
No porosity / High gloss and very good gloss transfer.







MANUFACTURING MOULDS

POLYNT PROCESS products are formulated from raw materials whose performance has been tested and validated.







GCVN

Vinylester Gel coat
Excellent gloss maintenance over time.
Good degassing characteristics / Good resistance to starring.
Excellent compromise between strenght at high temperatures and elongation.
No cracking/No porosity.

#NEW

GCVN ASX SERIES

Antistatic Vinylester Gel coat
Vinylester tooling gelcoat.
With improved mechanical properties that extend the gelcoat's lifetime.
Prevents static electricity build-up during demoulding.
Protects operators against electric shocks and increases safety in ATEX zones. Facilitates demoulding operations, which prolongs the life of the moulds.
Reduces dust accumulation, thereby reducing cleaning time and allowing for faster cycle times.

VE 900 TACC RESIN

Modified epoxy vinylester resin - for RTM or epoxy mold
Very high chemical and thermal resistance / High HDT.

VE 100 TACC 25/40 RESIN

Bisphenol A vinylester resin for polyester mold
Good chemical and thermal resistance.

VE 105 TACC 25/40 RESIN

Bisphenol A vinylester resin for polyester mold
Good chemical and thermal resistance.

POLYMOLD

Ready-to-use resin with no shrinkage for producing moulds
Low styrene emission resin with high wetting power .
Short cycle time, pre-accelerated, filled resin.
Optimised density / Resin with no shrinkage or "swelling" effect.
Use of a PMEC type standard catalyst.
Catalyst developer / Excellent final hardness.

Available in différents grades :
- Isophthalic version : POLYMOLD 150 RC & POLYMOLD LV 170 B
- Orthophthalic version : POLYMOLD LV 100 RC
- Vinylester version: LV 220 VE R



The characteristics of the products in our Tooling range are indicated in the respective Technical Sheets. Do not hesitate to contact us so we can help you select the product that is best suited to your needs.



Polynt

High **performance** polyester **products**

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