



FORTICAST

High-Performance Casting Resins

FORTIUS MARKETING LLP

+91 90677 36557 - +91 96076 36557 - sales@fortiusmarketing.in - www.fortiusmarketing.in

2nd floor, Suma Vilas, Off Old Mumbai-Pune Highway, Shivajinagar, Pune, India - 411003

Partner and distributor in India for



**Tooling System Resins,
manufactured in Italy**



Since 2009, Fortius Marketing LLP has supplied high performance materials to the moulding and casting industry.

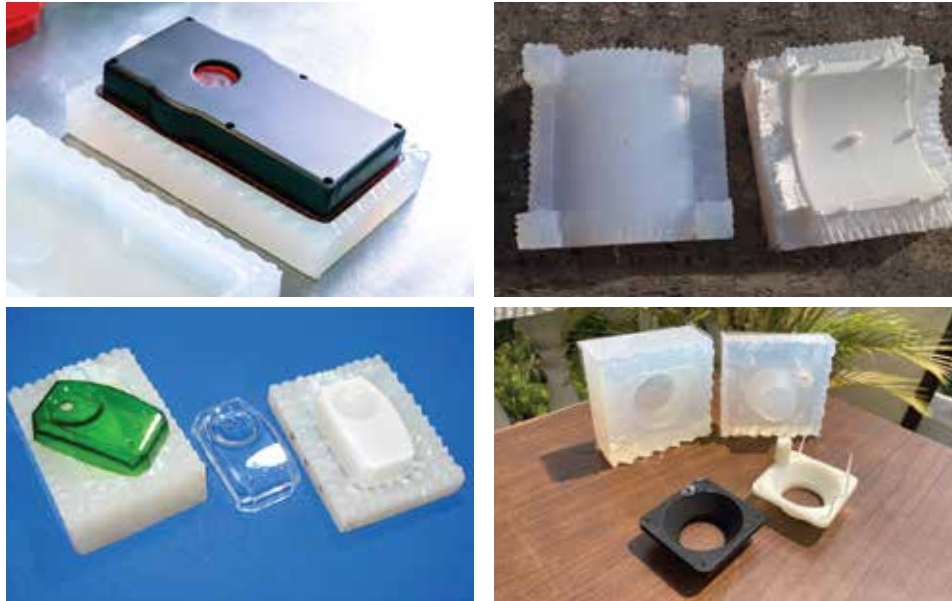
Our constant endeavor to learn and improve has helped us develop knowledge about the materials in this field that only our suppliers can match. We are happy to represent such technologically advanced and dynamic suppliers, by bringing not only an excellent range of products, but also strong technical expertise backed by complete customer service.

We aim to exceed customer expectations in quality through industry feedback, R&D, competitor review, workflow setup and innovation. The ability to work together with the customer helps us grow stronger together and build a professional relationship for years to come. After all, our own success depends on that of our customers.

We have helped change manufacturing processes by **scaling up production, improving precision, reducing turnaround times and streamlining supply.**

Our deep domain product expertise enables us to respond rapidly to the needs of users and customers, to identify the best possible solutions and to select the most suitable products, whatever the application.





Elastomeric & Flexible Polyurethane Casting Resins

| Resin & Hardener | Colour | Mixing Ratio (W/W) | Pot life min. 25°C | Max thickness mm | TG °C | Characteristics |
|--|-----------------------|-------------------------------|-------------------------|-------------------------|-------|--|
| PC 6-NF White & G 126 Black G 130 Blue G 30 Amber | Grey Blue Beige | 100:12,5 100:15 100:7,5 | 20-30 20-30 20-25 | 40-50 40-50 40-50 | <-40 | Elastomeric PU with different Shore A: G126/A48, G130/A55. G 30/ A65-70 . Ceramic case moulds |
| PC3041 Yellow & 1030 Red G 1041 Blue | Orange Green | 100:50 100:50 | 10-15 8-13 | 50 50 | <-40 | Elastomeric PU. With G1030 Shore A 30, with G1041 Shore A40. Flexible moulds for plaster & cement elements. |
| PU412 & G31 | Beige | 100:30 | 30-40 | 20-30 | 0-3 | Flexible PU Shore A75, high dimensional stability in the time. Ceramic case moulds. |
| PC 1055 Amber & G 1030 Red G 1041 Blue G 121 Amber | Red Green Amber | 100:35 100:33 100:40 | 15-20 15-20 8-10 | 15-20 15-20 15-20 | <-30 | Elastomeric PU Shore A 35-55, for flexible pieces and prototypes, tools and moulds. |
| PC 1088 Amber & G 1030 Red G 1041 Blue G 121 Amber | Red Green Amber | 100:70 100:66 100:40 | 18-22 18-22 8-10 | 5-10 15-20 15-20 | <-30 | Elastomeric PU Shore A 65-90 for flexible pieces, prototypes, tools and mould. |
| PC 8590 & G 8590 | Milky | 100:50 | 6-8 | 15-20 | <-30 | Elastomeric PU Shore A 85-90 for tools of cement printed. |
| PC 6075 & G 1075 | Brown | 100:400 | 10-15 | 10-20 | 93 | Hard elastomeric PU Shore D70 for face casting foundry pattern, core box and special abrasion resistant parts. |
| PU 585 & G 185 | White | 100:50 | 35-45 sec. | 300 | <-40 | Elastomeric PU, foaming up to 9-18 times in closed/open mould. Very short pot-life. |

Rigid Polyurethane Casting Resins

| Resin & Hardener | Colour | Mixing Ratio (W/W) | Pot life min. 25°C | Max thickness mm | TG °C | Characteristics |
|-----------------------------|--------|---|--------------------|------------------|-----------|--|
| PC17 & G127 | Beige | 100:100 | 2-2,5 5 | 5 | 102 | Rigid resilient unfilled fast casting PU for scale models reproduction. |
| PC21 & G8 G8 +EF 31 Fillite | Beige | 100:25 (plastic) 100:50 (rigid) (100-150) | 2-3 | 5(50) | 43 107 | Rigid or plastic unfilled fast casting PU without filler for finishing shoe models or with filler for like wood items. |
| PC25, PC26 & G22 +EF35P | Beige | 100:100:(300) | 2,5-3,5 3-4 | 5(70) | 104 | Rigids, unfilled fast casting PU with separate filler for negatives, models, or unfilled for scale models. |
| PC27LV & G127 +EF35P | Beige | 100:100:(300) | 4-4,5 | 5(100) | 90 | Rigid, resilient unfilled PU with separate filler for models. Unfilled for scale models. |
| PC30 & G37 | Blue | 100:20 | 3,5-4,5 | 30-50 | 86 | Rigid, low viscosity filled PU. |
| PC32NF & G37 | White | 100:20 | 4-5 | 30-50 | 82 | Rigid, fluid filled PU. Sandable, polishable. |
| PC37 & G37 G9 | Red | 100:20 100:20 | 7-9 30-45 | 20-30 50-60 | 58 55 | Rigid, low viscosity filled PU, medium and slow cure, machinable. Ready to cast for foundry patterns. |
| PC38 & G138 +EF35P | White | 100:80:(400) | 12-18 | 15(500) | 75 | Rigid resilient unfilled PU with separate filler for mass casting of large press moulds and patterns or unfilled for face casting. |
| PC39 & G226 +EF35P | Beige | 100:100(300) | 10-15 | 10 (70) | 80 | Rigid, unfilled PU with separate filler for medium-large models |
| PC1121 & G121 | White | 100:110 | 3,5-4,5 | 3-5 | 93 | Rigid, resilient PU for rapid prototyping vacuum like ABS material. |
| PU630 & G8 | Beige | 100:100 | 20-30 sec. | 20-30 | 75 | Rigid PU foam, foaming up to 5-10 times in closed/open mould. Very short pot life. |

Plasticrete (Water Based Acrylic System, Hydraulic Setting)

| Resin & Hardener | Colour | Mixing Ratio (W/W) | Pot life min. 25°C | Max thickness mm | Characteristics |
|---|------------------------|--------------------|--------------------|------------------|--|
| P-Cast A 02 & P-Filler BW For tools | Natural White | 45:100 | 22-30 | Any thickness | Water solvent acrylic resin for making tool and parts by brush, casting or laminating in combination with D5 tri-axial fiber glass and chopped strand glass. FR version is certified fire resistant class. |
| P-Cast A 02 P-Filler ART natural - white for elements | Natural White or White | 50:100 | 22-30 | Any thickness | |
| P-Cast A 02 P-Filler FR for fire resistant elements | Natural White | 35:100 | 22-30 | Any thickness | |
| P-TIX | White | 2-4% on P-Cast | | | Additive thixotropic for P-Cast like gelcoat or putty. |

Modelling And Tooling Boards

PURBLOCK PB 080 YELLOW d= 80 Kg./m3* styling & core parts

PURBLOCK PB 120 YELLOW d= 80 Kg./m3* styling & core parts

PURBLOCK PB 160 NATURAL WHITE d= 80 Kg./m3* styling & core parts

PURBLOCK PB 250 YELLOW d= 250 Kg./m3* large styling models

PURBLOCK PB 180 GREY - d=180 Kg./m3 styling models

PURBLOCK PB 302 PINK - d=300 Kg./m3 styling models

PURBLOCK PB 480 APRICOT d=480 Kg./m3 styling and models

PURBLOCK PB 550 LIGHT BROWN– d=550 Kg./m3 master models and styling

PURBLOCK PB 700 BROWN – d=700 Kg./m3 master models

PURBLOCK PB 1040 YELLOW – d=1150 Kg./m3 foundry patterns, hammer tooling, milling prototypes

PURBLOCK PB 1100 BEIGE – d=1150 Kg./m3 foundry patterns, jigs, tools

PURBLOCK PB 1201 GREEN – d=1200 Kg/m3 foundry patterns, metal forming tools.

PURBLOCK PB 1250 GREEN –d=1250 Kg/m3 foundry patterns, metal forming tools

PURBLOCK PB 1500 RED – d=1500 Kg./m3 foundry patterns, jigs, metal forming tools

PURBLOCK PB 1660 ALUMINIUM – D=1700 Kg./m3 foundry patterns, tools, jigs

EPIBLOCK EB 690 GREEN – d=650 Kg./m3 Master Models and Pre-pregs tools

Glass Fabrics

C3 glass fabric verranne - 100 g/m2

C4 glass fabric verranne - 200 g/m2

D2 glass fabric verranne - 540 g/m2

D5 glass fabric tri-axial roving - 200 g/m2

Release And Insulating Agents

Z14 Wax paste in solvent

Z15 LC Liquid wax in solvent

Z16 Polyvynilalcohol

Z25-LE Spray wax

Calibrated Self Adhesive Sheets Wax

Dimension 30,48 x 60,96 cm

Available thickness 0,5 - 0,75 - 1 - 1,5 - 2 - 2,5 - 3 - 4 mm

Fillers And Fibres

EF 18/T Neutral, green, brown hollow microspheres

EF 34 Talc powder

EF 36 Pyrogenic silica

EF 73 Milled cotton

Ecka AS 31 Aluminium powder

EF 26/H Aluminium grains 0,6- 1,5 mm

EF 14 Black mineral grains 0,5-1,5 mm

A 20 Chopped strand glass 6 mm

EF 35P Aluminium Hydroxide

EF 05 Quartz grains 0,3-0,7 mm

Color Pastes Suitable For Epoxy And Pu

COL. 224 - RAL 9017 Black soluble opaque

COL. 34 - RAL 9017 Black opaque

COL. 35 - RAL 1004 Yellow opaque

COL. 36 - RAL 5002 Blue opaque

COL. 37 - RAL 3002 Red opaque

COL. 38 - RAL 6016 Green opaque

COL.101 - RAL 9010 White opaque

COL. 102 - RAL 1013 Botticino opaque



FORTICAST
High-Performance Casting Resins



FORTISIL®
Specialty Silicone Rubbers



FORTIPHI
Advanced Process Equipment

FORTIUS MARKETING LLP

+91 90677 36557 - +91 96076 36557 - sales@fortiusmarketing.in - www.fortiusmarketing.in

2nd floor, Suma Vilas, Off Old Mumbai-Pune Highway, Shivajinagar, Pune, India - 411003