

Pushing the limits of design with polyurethanes from RAMPF

IAAPA 2017: High-performance plastic systems for theme park and specialty tooling – Booth 1773

Wixom, MI, USA, November 02, 2017. RAMPF Group, Inc. is presenting its high-performance range of advanced liquid polyurethanes for theme park and specialty tooling at IAAPA 2017, the global conference and trade show for the attractions industry – Booth 1773.

Outstanding consistency and quality, mercury-free and RoHS-compliant, as well as a wide range of handling, curing, and performance properties: RAMPF polyurethanes are opening up entirely new possibilities for theme parks, aquariums, and cruise ships.

At IAAPA 2017 from November 14 -17 in Orlando, FL, RAMPF Group, Inc. will be presenting the following product highlights:

> **RAKU[®] TOOL InnoFR[™] Flame Retardant Hardcoat 15**

This polyurethane resin is UL94 V-0 rated, easy to process and apply to surfaces (brushable). It is also sandable and paintable. RAKU[®] TOOL InnoFR[™] is formulated for room temperature hand-batch systems and can be used for vertical lay-ups and durable master molds.

> **Underwater displays with RAKU[®] TOOL and InnoClear[™]**

InnoClear[™] optically clear polyurethanes produce water-clear coral reef components. The sculpting epoxy is formulated for hand-batch or vacuum-assist methods (vacuum degassing is recommended for best results) and easy to process, sand, and paint. InnoClear[™] are used to create stunning prototypes and initial parts, amongst others.

> **RAKU[®] TOOL InnoClear[™] FX-8586 Fire Extinguish Clear Material**

RAKU[®] TOOL InnoClear[™] FX-8586 exhibits excellent physical properties after 150 °F post cure, good UV stability, and is free of mercury, MOCA, and TDI. The resin is tintable to a vast array of transparent colors and used in applications where water-clear effects and strict flame retardant standards are required. RAKU[®] TOOL InnoClear[™] FX-8586 can be formulated for hand-batch or vacuum assisted methods; vacuum degassing and curing under pressure is recommended.

> **RAKU[®] TOOL IE Series[™] Low Viscosity Polyurethane Resins**

These polyurethanes are very easy to process and include products ranging from flexible to rigid. The materials are industry favorites for hand casting of prototypes and parts; several of the products are also suited for mass casting. RAKU[®] TOOL IE Series[™] attain rapid green strength and exhibit excellent tear strength, elongation, and low viscosity. Many of the products are suitable for color matching.

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> RAKU[®] TOOL EP-2344 / EH-2944 Flame Retardant Sculpting Epoxy

RAKU[®] TOOL EP-2344 / EH-2944 is the best epoxy system on the market for sculpting models. The low-density material can be applied to fiberglass and aluminum substrates for textural impressions and artistic expression. There is no running or sagging, and application is easy.

“Based on our extensive experience, we develop the best customized solution for our customers within a very short time”, says Marianne Harris, Sales Manager at RAMPF Group, Inc. “We share the enthusiasm of our customers for their design projects and are dedicated to implementing these to perfection.”



Stunning, authentic, and unique: Underwater displays with RAKU[®] TOOL and InnoClear[™] from RAMPF.

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www.rampf-group.com



RAMPF Group, Inc., based in Wixom, Michigan, is the North American subsidiary of the international RAMPF Group.

The product portfolio of RAMPF Group, Inc. is comprised of:

- > mixing and dispensing systems for the reliable processing of polymers
- > two-component polymer (or synthetic) systems based on polyurethane, epoxy, and silicone
- > modeling and mold engineering materials, in particular for the automotive, marine, and aviation industries

The international RAMPF Group stands for engineering and chemical solutions and caters to the economic and ecological needs of industry. The Group secures its presence on the international markets with 800 employees and six core competencies:

- > **RAMPF Machine Systems** based in Wangen (Göppingen), Germany, develops and produces multi-axis positioning and moving systems, trunk machines, and basic machines based on high-precision machine beds and machine bed components made from alternative materials.
- > **RAMPF Production Systems** based in Zimmern o. R., Germany, develops and produces mixing and dispensing systems for bonding, sealing, foaming, and casting a wide variety of materials. The company also offers a wide range of automation skills relating to all aspects of process engineering.
- > **RAMPF Composite Solutions** based in Burlington, Ontario, Canada, is a holistic composites supplier to companies in the aerospace and medical industries. The company offers a complete suite of services including composite part design and engineering, metal-to-composite conversion engineering, and composite manufacturing to very tight tolerances.
- > **RAMPF Eco Solutions** based in Pirmasens, Germany, develops chemical solutions for the manufacture of high-quality alternative polyols from PU and PET waste materials. This expertise is also put to use in the planning and construction of customer-specific facilities for manufacturing polyols.
- > **RAMPF Polymer Solutions** based in Grafenberg, Germany, develops and produces reactive resin systems based on polyurethane, epoxy, and silicone. Its product portfolio includes liquid and thixotropic sealing systems, electro and engineering casting resins, edge and filter casting resins, and adhesives.
- > **RAMPF Tooling Solutions** based in Grafenberg, Germany, develops and produces board and liquid materials for cutting-edge modeling and mold engineering. The range of skills includes made-to-measure services and products such as pastes, large-volume and full-size castings for Close Contour models, and prototyping systems.

RAMPF has subsidiaries in Germany, the U.S., Canada, Japan, and China.

All RAMPF companies are united under a holding company – **RAMPF Holding GmbH & Co. KG** – based in Grafenberg, Germany.

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