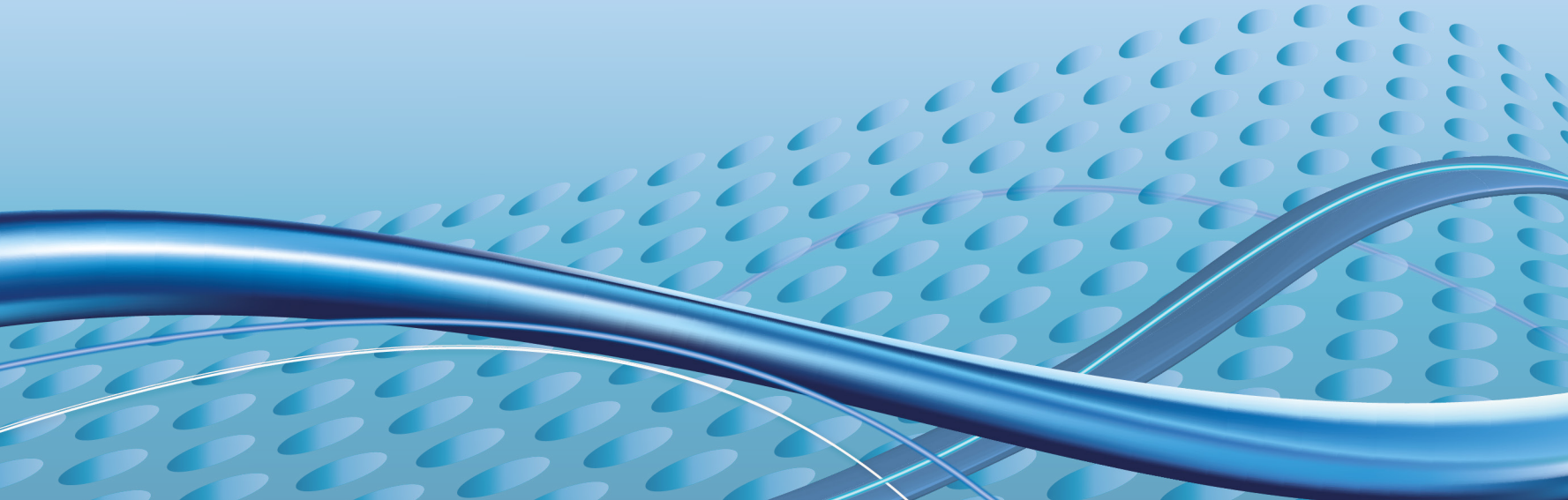


Bonding Pastes





GRAVICOL®

The globally recognised name in Bonding Pastes

The Gravicol® Bonding Paste range is based on our Unsaturated Polyester Resin and Urethane Acrylate Resin systems to give the best possible end use characteristics.

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AMERICAS

Polynt Composites Brazil Ltda.

Polynt Composites Canada, Inc.

EMEA & ASIA PACIFIC

Polynt Composites France S.A.

Polynt Composites Australia Pty Ltd.

Polynt Composites

Polynt Composites is known for its superior quality and impressive range of products, including Polyester and Vinyl Ester Resins, Compounds, Gel Coats, Low Profile/Low Shrink Additives, Tooling Systems, Bonding Pastes, Catalysts, and Cleaning Agents.

Polynt Composites products are produced on all continents, and with our excellent distribution network we can provide first-class service to our customers whatever their market.

Polynt Composites Customer Service and Technical Service teams are renowned for their customer focus, offering the best service even after our products have left manufacturing. We strive to keep our customers satisfied, assisting them in producing premium quality products every time they use our products.

Product innovation is important to our business and the reason we constantly work with customers to find solutions to problems. Introducing new or improved products ensures that we continue not only to deliver what the market wants and needs, but also when it is wanted and needed.



What are Bonding Pastes?

Bonding Pastes are specifically formulated for bonding GRP/ Fibreglass components, imbedding of inserts into laminates and bonding wood to Fibreglass structures.

They are designed for assembly and bonding of two composite components, inserting panels, core materials, cavity filling as an aid to lamination, and they are available with a range of properties to suit various applications.

A good bond is characterised by adequate adhesion and physical properties to accept stresses placed upon the final composite component.

The best indicator that bonding paste has achieved a strong bond is when failure is seen within the laminate and not within the bonding paste: GRAVICOL® is capable of withstanding such stress.

This photo shows the application of Bonding Paste



EMEA & ASIA PACIFIC

GRAVICOL® is our premium range of Bonding Pastes, and it can be formulated with and without glass fibres.

Bonding pastes to suit various applications are available with a range of properties, including low shrink, semi-flexible and flexible properties and gap filling capabilities to 25 mm. The low shrink properties of GRAVICOL® means that there will be no "print-through" on the surface of the bonded parts.

The bonds formed with GRAVICOL® paste also provide a water and airtight seal.

GRAVICOL® is available in a range of gel/cure times, designed to cure with a low peak exotherm, ensuring no deformation of the parts being bonded.

When compared to a mechanical assembly or an over-laminating process, GRAVICOL® offers a higher diffusion of stress and lower print-through leading to a better surface aspect.

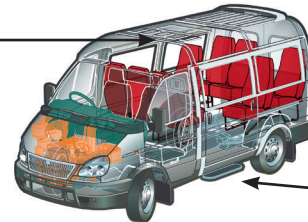
Urethane acrylate modified grade provides good performance for the bonding of metal to polyester resin.

Main benefits of GRAVICOL® include:

- Weight reduction thanks to low density grades
- Short processing time
- Good fatigue strength of the bonded parts
- Efficient adhesion on varied materials

Transport

Gravicol® 2039
Flexible and
smooth paste



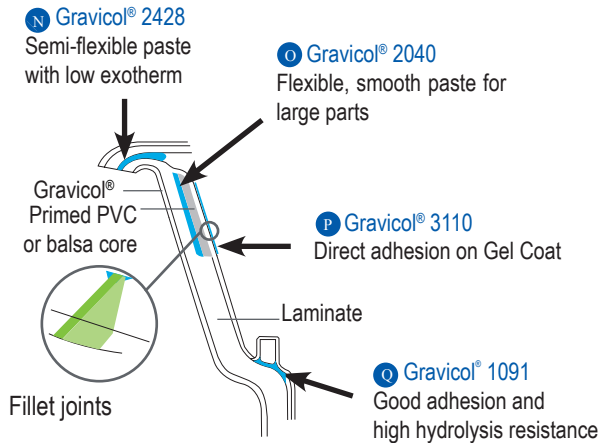
Gravicol® D07
White paste with low density

Bonding Pastes Product Family - GRAVICOL®

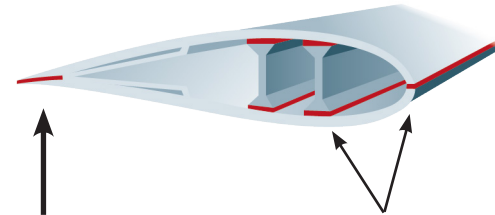
PRODUCT FAMILY NAME	APPLICATIONS
GRAVICOL®	Industrial applications, transport (automotive and truck parts), marine and wind energy (wind turbine)

For further information please contact us

Marine



Wind Energy



Gravicol® 2397
Flexible paste used for application in dynamic bond

Gravicol® 3010
Urethane acrylate modified paste with faster bond development time

AMERICAS - Canada

Polynt Composites Canada Inc. offers a wide variety of specialty polyester compounds to industry. These specialty compounds are used in transportation, marine, wind energy and tooling industries to assemble, seal, fill, finish and repair parts, components or complete GRP/FRP assemblies. These compounds are offered in industry standard formulations or may be modified for a specific application.



This photo shows the depositing of tooling paste onto a plug to make a mold

Bonding Pastes Product Family

<i>PRODUCT FAMILY NAME</i>	<i>APPLICATIONS</i>
A302, A303, B328, B339	Bonding-adhesive, bedding, repair of transportation and marine components
C207	Core bedding-core bonding of transportation and marine components
F206, FR410	Fairing-surface finishing and repair of transportation and marine components
S122, R210	Filling-radius, gap filling, in-mold displacement
S120, S320	Tooling-CNC tooling media
R210, R312	Spraying-radius filler, print blocker
V322, V422	Vinyl ester-chemical, fire & water resistance

For further information please contact us

PUTTY PASTES AND ADHESIVES

With more than 50 years of leadership in South America, Polynt Composites Brazil produces and sells Iberê®, the most recognised brand in the Putty market.

IBERÊ® products have excellent adhesion and strength, while providing low shrinkage and low exotherm in thick cavity applications.

Another major advantage is their versatile multipurpose use, with a wide range of applications in the Construction and Automotive segments.

The Iberê® product line includes:

- Adhesive Putty for Thermoset Laminates
- Adhesive for Synthetic Marble and Granite
- Lightweight Putty
- Thermoset Putty
- Transportation Applications

This photo shows radius filling with putty



Putty Pastes & Adhesives Product Family Iberê®

<i>PRODUCT FAMILY NAME</i>	<i>APPLICATIONS</i>
Putty Pastes and Adhesives	Patching, bonding and repairing marble, granite; Modeling paste for hobbyists and professionals; Transportation Applications: buses, trucks, boats, yachts, automotive parts; used mainly for joining of parts, pits and cavity filler, etc.
Lightweight Polyester Base	Excellent surface for leveling & finishing (pre-paint), repair of cars, motorcycles, trucks, buses, etc.

For further information please contact us

This photo shows tooling putty applied to foam surface



COMPANY ADDRESSES

AMERICAS

BRAZIL

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ASIA & OCEANIA

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3043 Tullamarine

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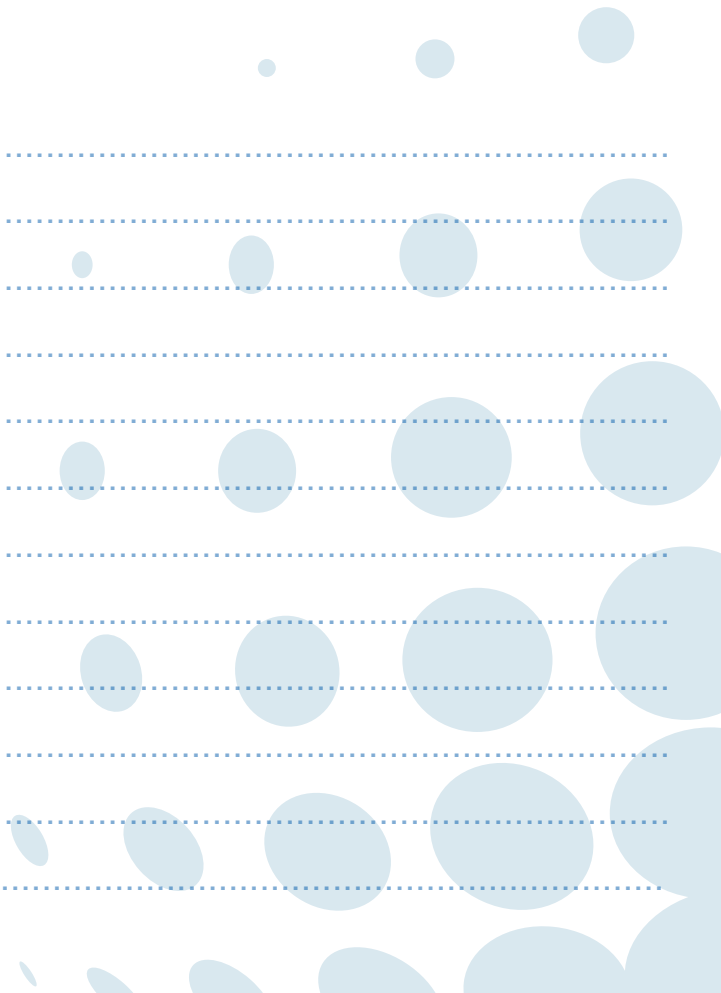
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Notes

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This brochure is intended to provide a comprehensive list of the products and services available from the Bonding Pastes sector of Polynt Group.

The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty is made, either express or implied, regarding its accuracy or the results to be obtained from the use of such information. No statement is intended or should be construed as a recommendation to infringe any existing patent.

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