

Polynt in your World: 60-years history of partnership

# Contents

| 1. A growing specialty chemical industry | 3  |
|--|----|
| 2. Polynt Group in the World: Our Plants | 4  |
| 3. Our History                           | 5  |
| 4. Our Product Range                     | 6  |
| 5. Applications                          | 16 |
| 6. For a better way of life              | 18 |
| 7. Certifications                        | 18 |
| 8. Responsible Care                      | 19 |
| 9. Production Technologies               | 19 |
| 10. Fitting the Future                   | 20 |
| 11. Strategic Achievements               | 20 |
| 12. Company Addresses                    | 21 |

## A growing specialty chemical industry

We believe in research, innovation and development to provide natural solutions that respect the ecosystem's equilibrium, while offering efficient alternatives to the consumption of our precious natural resources.

Since 1955 we have been active in the production, sale, research and development of organic anhydrides and their derivatives.

Our presence in the major chemical intermediates sector allows us to play a central role in activities ranging from petroleum refining to the production, sale and market distribution of finished products.

## **Integrated Business Model**

Polynt Group internally manages the entire production-distribution chain through these operations:

- Research and development
- · Production planning and sourcing of raw materials
- Production process, quality control and logistics
- Storage
- Sales and after-sales assistance with finished goods

## Passion, expertise, technology and innovation

Our key products are:

- Anhydrides: Phthalic, Maleic and Trimellitic
- Specialties: GPP, SPP, Special Anhydrides, Special Esters, Catalysts and Acids
- · Composites: UPR, VE, SMC, BMC, Gel Coats and Bonding Pastes
- Coating Resins

### A Global Company: Innovation & Quality

Polynt Group's global footprint spans four continents with manufacturing and commercial facilities, allowing us to provide our customers with innovative and sustainable solutions.

Throughout our production chain, Polynt Group is a pioneer in responsible innovation: we combine design, quality and progress, while protecting the environment, improving the process technology.

## Polynt Group in the World



## **Our Production Sites**

#### **AMERICAS**

BRAZIL Reichhold do Brasil LTDA. Mogi das Cruzes

#### CANADA

<u>Polynt Composites Canada, Inc.</u> Brampton - Cape Sable Island -Drummondville - Winnipeg

#### USA

Polynt Composites USA Inc. and Reichhold LLC 2

Azusa - Carpentersville - Chatham

- Durham Ennis Forest Park - Houston - Jacksonville - Marshall
- Houston Jacksonvine Marsi
- Morris North Kansas City
- Orlando Pensacola Sandusky - Valley Park

#### MEXICO

<u>Reichhold Quimica de Mexio, S.A. de</u> <u>C.V.</u> Atlacomulco

#### EUROPE FRANCE

Polynt Composites France S.A. Drocourt

GERMANY

Polynt Composites Germany GmbH Miehlen

#### ITALY

<u>Polynt S.p.A. and Reichhold S.r.I. (ITA)</u> Brembate Sopra - Cavaglià - Ravenna - San Giovanni Valdarno - San Polo di Torrile - Scanzorosciate

NORWAY

Polynt Composites Norway AS (NOR) and Reichhold AS (NOR) Fredrikstad

#### POLAND

Polynt Composites Poland Sp. z o.o. Niepołomice

#### SPAIN

Polynt Composites Spain, S.L.U. Miranda de Ebro

**UK** <u>Polynt UK Ltd.</u> Staffordshire (Leek) <u>Polynt Composites UK Ltd.</u> Stallingborough <u>Reichhold UK Limited</u> Mitcham

#### **ASIA & OCEANIA**

CHINA <u>Polynt Chemical (Changzhou) Co., Ltd.</u> Changzhou <u>Reichhold Polymers (Tianjin) LTD.</u> TianJin

#### INDIA

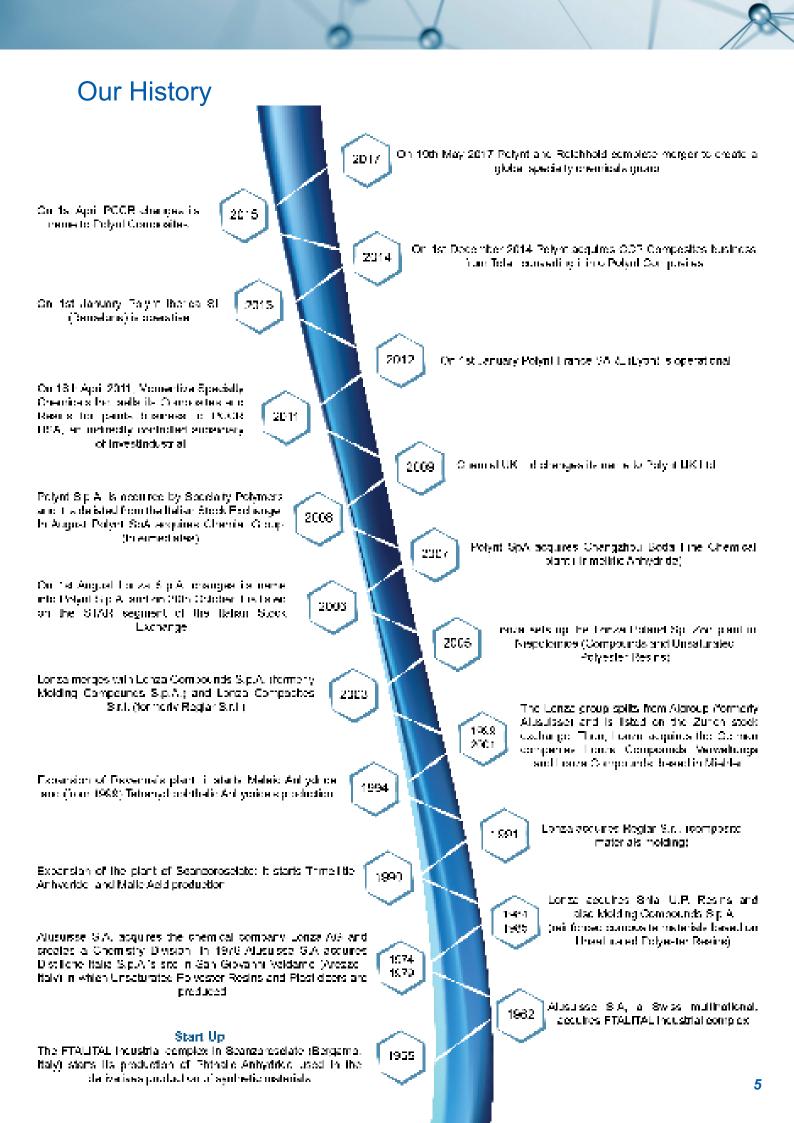
<u>Reichhold India Private Limited</u> Pune

#### KOREA

<u>Polynt Composites Korea Co., Ltd.</u> Jeollabuk-do

#### MALAYSIA

<u>Polynt Composites Malaysia Sdn. Bhd.</u> Pasir Gudang



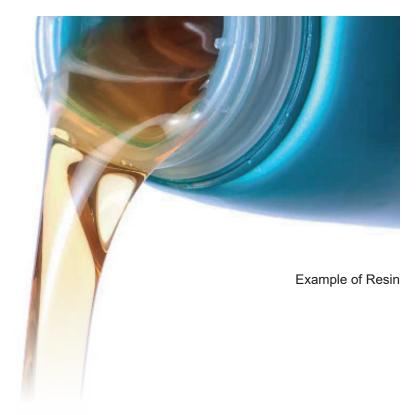
# Our Product Range

# Composites

| UP | Resins & VE Resins                                   | 6   |
|----|--|-----|
|    | Compounds  | 8   |
|    | Gel Coats  | 8   |
|    | Low Profile, Low Shrink Additives, Tooling & Systems | 9   |
| 1  | Bonding Pastes                                       | 9   |
| Z  | Catalysts and Cleaning Agents                        | .10 |

# **Unsaturated Polyester Resins**

| Biobased            | PRODUCT FAMILY NAME   | APPLICATIONS   |  |
|---------------------|---|--|--|
| Resins              | ENVIROGUARD <sup>®</sup> , ENVIROLITE <sup>®</sup>  |  |  |
| Polyester           | XYCON®  |  |  |
| Hybrid Resins       | PROCORE®  | Abrasives, aerospace, agriculture, anti-corrosion, automotive and truck  |  |
| Styrene-Free        | ENCORE PRIME <sup>®</sup> , POLYLITE HS™  | parts, building and construction,  |  |
|                     | Orthophthalic Resins<br>ARMORCAST <sup>®</sup> , DISTITRON <sup>®</sup> , EASYLAM <sup>®</sup><br>(Low Styrene Emissions), NORSODYNE <sup>®</sup> ,<br>POLYLITE <sup>®</sup> , STYPOL <sup>®</sup> , 71X-XXXX,<br>77X-XXXX                              | buttons, coatings, composites,<br>corrugated sheets, electrical<br>equipment, furniture, gel coats,<br>household, industrial equipment<br>and structures, injection, laminates,  |  |
| Unsaturated         | Isophthalic Resins<br>DISTITRON®, NORSODYNE®, POLYLITE®,<br>STYPOL®, 73X-XXXX, 74X-XXX  | marine, pipes & tanks (anti-corrosion,<br>standard, cured-in-place-pipe), profiles<br>and gratings, public transport, puttie<br>& mastics, railway sector, sandwic<br>panel, sanitary, sports & leisure,<br>stickers, swimming pools, synthetic<br>marble, tanks, translucent sheets |  |
| Polyester<br>Resins | DCPD Resins (Dicyclopentadiene)<br>DISTITRON®, ENVIROLAM®, ENYDYNE®,<br>POLYLITE®, POLYDYNE®, STYPOL®,<br>73X-XXXX, 77X-XXXX  |  |  |
|                     | <b>Special Resins</b><br>ATPRIME <sup>®</sup> , DION <sup>®</sup> , DISTITRON <sup>®</sup> ,<br>ENVIROGUARD <sup>®</sup> , ENYDYNE <sup>®</sup> , HYDREX <sup>®</sup> ,<br>NORSODYNE <sup>®</sup> , 73X-XXXX, 75X-XXXX,<br>76X-XXXX, 77X-XXXX, 79X-XXXX | (roofing and cladding), water containers, renewable energy   |  |



# Vinyl Ester Resins

| Epoxy VE                        | PRODUCT FAMILY NAME   | APPLICATIONS  |  |
|---------------------------------|---|---|--|
| Hybrid                          | XYCON <sup>®</sup> VE, DION <sup>®</sup>  | Abrasives, aerospace, agriculture,  |  |
| Resins                          | Vinyl Ester Resin Blend<br>ARMORSTAR®, HYDREX®  | anti-corrosion, automotive and truck parts, building and construction,  |  |
| Vinyl<br>Ester                  | DION <sup>®</sup> , DISTITRON <sup>®</sup> VE, EPOVIA <sup>®</sup> ,<br>EPOVIA <sup>®</sup> OPTIMUM, NUPOL <sup>®</sup> ,<br>75X-XXXX, 78X-XXXX | buttons, coatings, composites,<br>corrugated sheets, electrical<br>equipment, furniture, gel coats,<br>household, industrial equipment and<br>structures, injection, laminates,<br>marine, pipes & tanks (anti-corrosion,<br>standard, cured-in-place-pipe), profiles |  |
| Vinyl Low<br>Styrene<br>Content | DION <sup>®</sup> , DISTITRON <sup>®</sup> EF Series,<br>EPOVIA <sup>®</sup>  |   |  |
| Styrene-Free<br>Epoxy VE        | ENCORE PRIME <sup>®</sup> , POLYLITE <sup>®</sup> HS,<br>STYROGUARD <sup>®</sup> II   | and gratings, public transport, putties<br>& mastics, railway sector, sandwich<br>panel, sanitary, sports & leisure,  |  |
| Tackifier                       | NUTACK®   | stickers, swimming pools, synthetic<br>marble, tanks, translucent sheets<br>(roofing and cladding), water<br>containers, renewable energy,<br>spar caps.  |  |

# Compounds

| PRODUCT FAMILY NAME  | APPLICATIONS   |  |
|--|--|--|
| <b>BMC</b> (Bulk Moulding Compounds)<br><b>SMC</b> (Sheet Moulding Compounds)<br>Polyester, vinylester and epoxy thermosetting material<br>reinforced with glass fiber | Automotive, trucks, railways, tractors, electric and<br>electronic, household, building, aircraft, engineering,<br>industrial, food contact, sport and leisure, panels |  |
| <b>Polynt SMCarbon</b> <sup>®</sup> - epoxy and vinylester SMC reinforced with carbon fiber  | Automotive, aircraft, industrial, sport and leisure, engineering, structural applications  |  |
| <b>Polynt UDCarbon</b> <sup>®</sup> - epoxy and vinylester composite reinforced with unidirectional tape carbon fiber  | Structural applications, automotive, industrial  |  |
| <b>Polynt RECarbon<sup>®</sup></b> - epoxy and vinylester composites reinforced with recycled carbon fiber fleece  |  |  |
| <b>Polynt BMCarbon</b> <sup>®</sup> - epoxy and vinylester BMC reinforced with short chopped carbon fiber  | Sport and leisure, industrial  |  |
| <b>Polynt TXTCarbon</b> <sup>®</sup> - epoxy and vinylester composite material reinforced with fabric carbon fiber   | Automotive, aircraft, industrial, sport and leisure, engineering, structural applications  |  |

For further information please contact us



A carbon fiber seat molded using Polynt products

## **Gel Coats**

| PRODUCT FAMILY NAME  | APPLICATIONS   |
|--|--|
| ARMORCLEAR <sup>™</sup> , ARMORCOTE <sup>®</sup> , ARMORFLEX <sup>™</sup> ,                | Enamels, fire-retardant, industrial application (heat,       |
| ARMORGUARD <sup>®</sup> , ARMORHP <sup>®</sup> , ARMORPLUS <sup>®</sup> ,                  | corrosion & chemical resistance parts), infrastructure       |
| ARMORPRO <sup>®</sup> , BATHCOTE <sup>®</sup> , BUFFBACK <sup>®</sup> ,                    | construction (cisterns, sanitary, synthetic marble), leisure |
| CENTERGEL, FIREBLOCK <sup>™</sup> , FUSION <sup>™</sup> , HIGLOSS TR <sup>®</sup> ,        | boats & marine, marble and casting, pigment, renewable       |
| IMEDGE <sup>™</sup> , NORPOL <sup>™</sup> , PATCHAID <sup>™</sup> , POLYCOR <sup>™</sup> , | energies (wind energy), sanitary and mould manufacture,      |
| POLYGEL®, SHIMMER®, STYPOL®, QUICKMIX™,  | spray patching, swimming pools, tanks, tooling,              |
| QUICKMIX & POLYCOLOR SERVICE™  | transportations (buses, tractors, trucks, train parts)       |

For further information please contact us



Example of Gel Coat

## Low Profile, Low Shrink Additives & Tooling Systems

| Low Profile &           | PRODUCT FAMILY NAME  | APPLICATIONS                         |  |
|-------------------------|--|--------------------------------------|--|
| Low Shrink<br>Additives | NORPOL <sup>™</sup> , NORSOLOOK <sup>™</sup> , STYPOL <sup>®</sup>   | Automotive and truck parts, profiles |  |
| Tooling<br>Systems      | NORPOL <sup>™</sup> , OPTIMOLD <sup>™</sup> , OPTIPLUS <sup>™</sup> ,<br>POLYLITE <sup>™</sup> , POLYNT <sup>™</sup> | Tooling                              |  |

For further information please contact us



An example of Low Profile & Low Shrink Additives application

## **Bonding Pastes**

| PRODUCT FAMILY NAME                           | APPLICATIONS  |
|---|---|
| GRAVICEL™, GRAVICOL™, GRAVIPLAST™,<br>NORPOL™ | Industrial applications, transportation (automotive<br>and truck parts), marine and wind energy (wind<br>turbine) |



Example of Bonding Paste

## Catalysts

| PRODUCT FAMILY NAME | APPLICATIONS   |
|---------------------|--|
| NORPOL®             | Initiators to ensure consistent cure of all composite resins and gel coats across various manufacturing process technologies |

For further information please contact us

## **Cleaning Agents**

| PRODUCT FAMILY NAME  | APPLICATIONS                  |
|--|-------------------------------|
| Di-Lynt  |                               |
| THERMACLEAN®, MARBLEWASH®,<br>WIPE-BRIGHT®, UNIWIPE®, AQUAWASH®,<br>REPLACETONE™ | Industrial tooling & cleaning |

For further information please contact us

# Our Product Range

| Coating R   | esins |
|-------------|-------|
| Coating Res | ins11 |
|             |       |
| A           |       |
|             |       |

Polynt Group is renowned for its superior quality and extensive range of products including - but not limited to - alkyds, polyesters, urethanes, epoxy resins and curing agents, acrylics and powder coating resins.

Polynt Group offers one of the most comprehensive ranges of resin technology available in the market today.

We strive for excellence and are committed to providing unsurpassed customer service to ensure that we exceed the needs of our customers and end-users.

|                        | PRODUCT FAMILIES                                | APPLICATIONS                   |
|------------------------|---|--------------------------------|
|                        | Styrenated & Solution Acrylics, Acrylic Polyols |                                |
| ALCURE®                | Powder Curing Agents                            |                                |
|                        | Modified Alkyds & Copolymers                    |                                |
| AQUAMAC®               | Latex   |                                |
| <b>ARCHEMIS®</b>       | Long Oil Alkyds                                 |                                |
|                        | Non-Isocyanate 2K Systems                       |                                |
| AROLON®                | Styrenated & Solution Acrylics, Acrylic Polyols |                                |
| AROPLAZ®               | Polyesters                                      |                                |
| BECKOSOL®              | Solvent-borne Alkyds                            | Aerospace,                     |
| BECKOSOL AQ®           | Alkyd Emulsions                                 | architectural                  |
| BECKOSOL AQUA®*        | Alkyd Emulsions                                 | interior and exterior,         |
| CARBAMAC®              | Solvent-borne Oil Modified Urethanes & Uralkyds | automotive,<br>general metals, |
| CHEMACOIL®             | Vinyl Oxazoline Esters                          | industrial maintenance,        |
| DURAMAC®               | Conventional Alkyds                             | industrial wood,               |
| EPOTUF®                | Epoxy Resins & Curing Agents                    | machinery & equipment, marine, |
| FINE-CLAD®             | Powder Coating Resins                           | metal furniture,               |
| FINE-TONE <sup>®</sup> | Digital Printing Ink Resins                     | _ stains,                      |
| HYDREAU®               | Polyester Dispersions                           | transportation,                |
| KELSOL®                | Waterborne & Water-Reducible Alkyds             | varnishes                      |
| MACOPOL®               | Copolymer Resins                                |                                |
| POLYMAC®               | Liquid & Powder Polyesters                      |                                |
| RESAFEN®               | Phenolics                                       |                                |
| RESANITE®*             | Rosin Phenolic Ester Resins for Offset Inks     |                                |
| REZIMAC®               | Modified Alkyds & Epoxy Esters                  |                                |
| SUPER RESANITE® *      | Alkyl Phenolic Resins                           |                                |
| SYNTHEMUL®             | Non-Styrenated & Vinyl Acrylics                 |                                |
| UROTUF®                | Urethanes                                       |                                |

\* Brazil Only



## **Our Product Range**

# Intermediates

Anhydrides and Acids.....12 Catalysts.....13

&

## **Specialties**

Special Anhydrides......13 Special Esters......14 Plasticizers.....15 Others.....15

## Anhydrides and Acids

|            | PRODUCT FAMILY NAME  | APPLICATIONS   |  |  |  |  |
|------------|--|--|--|--|--|--|
| Anhydrides | Phthalic Anhydride,<br>Maleic Anhydride,<br>Trimellitic Anhydride,<br>Tetrahydrophthalic Anhydride | Adhesives, agriculture, animal feed,<br>building and construction, chemical<br>industry, coatings, consumer goods,<br>cosmetics, crop protection, detergents,<br>electronic and electrical, food and   |  |  |  |  |
| Acids      | Malic Acid and Fumaric Acid  | beverage, flavors and fragrances,<br>household, industrial sector,<br>intermediates for chemical synthesis,<br>inks and pigments, leather treatment,<br>lubricants, pharmaceutical, paper<br>industry, polymers and plastics, solvents,<br>synthetic fibers, water treatment |  |  |  |  |



# Catalysts

| PRODUCT FAMILY NAME                         | APPLICATIONS  |  |  |  |  |
|---|---|--|--|--|--|
| POLYCAT ALMA, POLYCAT MAC4, POLYCAT<br>MAC6 | Oxidation Catalysts for Maleic Anhydride from<br>n-butane (fluid and fix bed technology) and<br>benzene |  |  |  |  |
| POLYCAT PA                                  | Oxidation Catalysts for Phthalic Anhydride  |  |  |  |  |
| POLYCAT PMDA-25                             | Oxidation Catalysts for Pyromellitic Anhydride  |  |  |  |  |
| СМС   | Custom Manufactured Catalysts   |  |  |  |  |

For further information please contact us



# **Special Anhydrides**

| PRODUCT FAMILY NAME   | APPLICATIONS  |  |  |  |  |
|---|---|--|--|--|--|
| MTHPA (Methyltetrahydrophthalic Anhydride)  |   |  |  |  |  |
| METH (Methylnadic Anhydride)  |   |  |  |  |  |
| Special Hydrogenated Anhydrides /<br>Cycloaliphatic:<br>HHPA (Hexahydrophthalic Anhydride);<br>MHHPA (Methylhexahydrophthalic Anhydride) Special<br>Grades; Anhydride 70/30; Succinic Anhydride | Aerospace, automotive, building and construction,<br>chemical industry, coatings, electric and<br>electronic, intermediates for chemical<br>synthesis, marine, polymers and plastics,<br>renewable energy |  |  |  |  |
| Pre-accelerated and Modified Special Anhydride:<br>MTHPA (Methyltetrahydrophthalic Anhydride) Special<br>Grades   |   |  |  |  |  |



# **Special Esters**

| PRODUCT FAMILY NAME  | APPLICATIONS  |  |  |  |  |  |
|--|---|--|--|--|--|--|
| Glycerol Esters (Triacetin, Diacetin, Priacetin, Tributyrin) |   |  |  |  |  |  |
| Phthalates - Low molecular weight (DEP, DMP)                 |   |  |  |  |  |  |
| Acetates   |   |  |  |  |  |  |
| Acetates of Glycol Ethers                                    | Adhesives, agriculture, automotive, building and  |  |  |  |  |  |
| Maleates and Fumarates                                       | construction, chemical industry, coatings, cosmetics, detergents, electric and electronic,            |  |  |  |  |  |
| Citrates   | food and beverage, foundries, flavors and   |  |  |  |  |  |
| Sebacates  | fragrances, intermediates for chemical synthesis,<br>inks and pigments, marine, leisure and clothing, |  |  |  |  |  |
| Benzoates  | lubricants, medical and pharmaceutical, polymers  |  |  |  |  |  |
| Succinates   | and plastics, solvents, synthetic fibers, tobacco   |  |  |  |  |  |
| Esters of Fatty Acids (Oleates and Stearates)                | industry, water treatment   |  |  |  |  |  |
| Organometallic Salts   |   |  |  |  |  |  |
| Trimellitates - Low molecular weight (TMTM)                  |   |  |  |  |  |  |
| Hexahydrophthalates  |   |  |  |  |  |  |

For further information please contact us



Two examples of DEP application



## **Plasticizers**

|                                    | PRODUCT FAMILY NAME  | APPLICATIONS   |  |  |  |
|------------------------------------|--|--|--|--|--|
| General                            | DEHP Medical Grade - DIPLAST <sup>®</sup> O/MG   | Automotive, building   |  |  |  |
| Purpose<br>Plasticizers            | DINP - DIPLAST <sup>®</sup> NS also available as stabilized (ST) grade   | and construction,<br>consumer goods,<br>electronic and                 |  |  |  |
|                                    | DPHP - DIPLAST <sup>®</sup> RS also available as stabilized (ST) grade   |  |  |  |  |
|                                    | Linear Phthalates: DIPLAST <sup>®</sup> L 9-11, DIPLAST <sup>®</sup> L 11 - also available as stabilized (ST) grade  | electrical, food<br>contact materials,                                 |  |  |  |
| Special<br>Purpose<br>Plasticizers | <b>Trimellitates:</b> DIPLAST TM - also available as stabilized (ST) grade,<br>DIPLAST TM8, DIPLAST TM8-10/ST, DIPLAST TM10, DIPLAST TM13,<br>DIPLAST TINTM/ST, DIPLAST TM/MG (TOTM Medical Grade) | household,<br>leisure and<br>clothing, lubricants,<br>medical devices, |  |  |  |
|                                    | Adipates and Polymeric: DIPLAST® D (DOA), DIPLAST® D/MG (DOA Medical Grade), Polimix®, Uraplast®   |  |  |  |  |

For further information please contact us



## Others

In addition to core products, Polynt Group also supplies products and materials throughout Canada and Australia, allowing our valuable customers to meet their needs with "one-stop shopping" through our experienced, dedicated distributors. These additional product categories are highlighted here:

| PRODUCT FAMILY NAME   | APPLICATIONS                                    |  |  |  |  |
|---|---|--|--|--|--|
| Acetone, Corflex 100, Ethyl Acetate, Methyl Ethyl Ketone,<br>Methyl Methacrylate, Styrene Monomer, Toluene, Wax in<br>Styrene | Chemicals and solvents                          |  |  |  |  |
| Nidaplast, U-Pica Low Density Bulker Mat, Flexokore Balsa<br>Materials  | Core materials                                  |  |  |  |  |
| West System, Perfect Gloss Decorative Coating, Rapid Cure Epoxy Kit, Techniglue CA  | Epoxy systems                                   |  |  |  |  |
| Wacker, Envirospheres, Q-Cel and Omya   | Lightweight and high density fillers            |  |  |  |  |
| ERA Polymers  | Pouring polyurethane foams & rubbers            |  |  |  |  |
| E-Glass; Specialty Reinforcements: ECR, C, AR Glasses   | Reinforcements                                  |  |  |  |  |
| Masks, Safety Goggles, Gloves, Barrier Guard Cream,<br>Handwash, Eyewash bottle   | Safety & personal protective<br>equipment (PPE) |  |  |  |  |
| Mould Release Systems: Zyvax, Rexco; Surface Finishes:<br>Farecla   | Surface technologies                            |  |  |  |  |

# Applications





## For a better way of life

Polynt Group continues to deliver a diverse range of products that serve the key sectors of agribusiness, biomedical, construction, electronics, transportation and marine industries.

Our production base is comprised of three sectors: Composites, Intermediates and Specialties. We are an essential contributor in the creation of thousands of objects that help improve the quality of life. Through our personalized design solutions dedicated to satisfying each sector's needs and our industrial clients' requirements, we continue to enjoy a loyal customer base.



|                     | AMERICAS     |              |  |  |              | EUR  | OPE          |              |              | ASIA         |  |              |              |              |
|---------------------|--------------|--------------|--|--|--------------|--|--------------|--------------|--------------|--------------|--|--------------|--------------|--------------|
| CERTIFICATIONS      | BRAZIL       | CANADA       | MEXICO   | USA  | FRANCE       | GERMANY  | ITALY        | POLAND       | SPAIN        | UK           | CHINA  | INDIA        | KOREA        | MALAYSIA     |
| ANSI / MSE 50021    |              |              |  | $\checkmark$   |              |  |              |              |              |              |  |              |              |              |
| CLEAN INDUSTRY      |              |              | $\checkmark$   |  |              |  |              |              |              |              |  |              |              |              |
| СТРАТ               |              |              | $\checkmark$   |  |              |  |              |              |              |              |  |              |              |              |
| EMAS                |              |              |  |  |              |  | $\checkmark$ |              |              |              |  |              |              |              |
| FAMI-QS             |              |              |  |  |              |  | $\checkmark$ |              |              |              |  |              |              |              |
| FSSC 22000          |              |              |  |  |              |  | $\checkmark$ |              |              |              |  |              |              |              |
| HALAL               |              |              |  |  |              |  | $\checkmark$ |              |              |              |  |              |              |              |
| ISO 9001            | $\checkmark$ | $\checkmark$ | <ul> <li>Image: A second s</li></ul> | <ul> <li>Image: A second s</li></ul> | $\checkmark$ | <ul> <li>Image: A second s</li></ul> | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | <b>~</b>   | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| ISO 14001           |              |              |  | $\checkmark$   | $\checkmark$ |  | $\checkmark$ | $\checkmark$ | $\checkmark$ |              | $\checkmark$   |              | $\checkmark$ |              |
| ISO 50001           |              |              |  |  |              |  |              |              |              |              | <ul> <li>Image: A second s</li></ul> |              |              |              |
| KOSHER              |              |              |  |  |              |  | $\checkmark$ |              |              |              |  |              |              |              |
| OHSAS 18001         |              |              |  |  |              |  |              |              | $\checkmark$ |              |  |              | $\checkmark$ |              |
| RESPONSIBLE<br>CARE |              |              | <b>~</b>   |  |              |  |              |              |              |              |  |              |              |              |
| SAFETY<br>INDUSTRY  |              |              | <b>~</b>   |  |              |  |              |              |              |              |  |              |              |              |
| SEP                 |              |              |  | $\checkmark$   |              |  |              |              |              |              |  |              |              |              |

## Responsible Care - Health and Environment: a commitment with 3 objectives

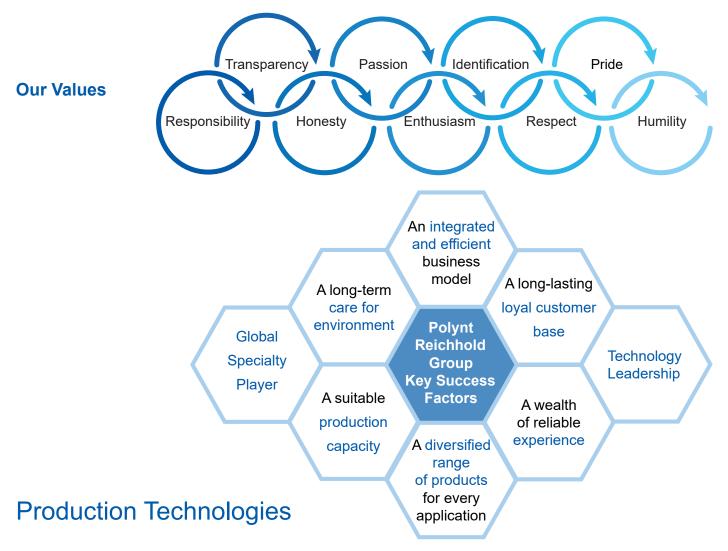
**Commitment to Environmental Improvement -** Awareness of the needs of local communities that host Polynt Group's plants, plus continual reduction of environmental impact.

**Composites help to reduce consumption of Natural Resources -** Development of new products to progressively substitute natural raw materials in the production of objects and technological equipment.

**Product Safety -** Creation of recyclable products to reduce impact on environment and human health.

Polynt Group undertakes **LCA studies** and carefully examines the cradle-to-gate impact of its raw materials and processes. It allows to compare the environmental impact of specific raw materials and production processes, identifying areas requiring improvements and selecting the most environmentally friendly scenarios for product manufacturing.

The Group actively collaborates with customers to carry-out cradle to end-life LCA assessments.



Our know-how includes some of the major chemical production technologies. Homogeneous liquid phase oxidation and heterogeneous gas phase oxidation represent the starting point for the production of Phthalic, Maleic and Trimellitic Anhydrides. These processes are based on the use of proprietary tailor-made catalysts. Starting from these building blocks and thanks to specific production technologies, Polynt Group developed a wide range of products suitable for a large number of market applications varying from electrical and automotive to medical and fragrances.

In this field we devote great care to R&D activity, technology implementation, and process control in order to satisfy the growing standard demand for safety and quality that current regulations and markets require.

| MAIN PRODUCTION TECHNOLOGIES  |   |  |  |  |  |
|-------------------------------|---|--|--|--|--|
| Esterification                | Special Esters production for food & fragrances and PVC plasticization                      |  |  |  |  |
| Polyesterification            | Saturated & Unsaturated Polyester Resins, Alkyds, and Polymeric PVC plasticizers production |  |  |  |  |
| Polyesterification: Powdering | Powder Coating Resins production  |  |  |  |  |
| Diels-Alder                   | Special Anhydrides production for curing of epoxy resins                                    |  |  |  |  |
| Hydrogenation                 | Special Esters and Special Anhydrides production  |  |  |  |  |
| Isomerization                 | Special Anhydrides production   |  |  |  |  |
| Addition Reaction             | Malic Acid, Vinyl Ester Resins, and Solution Acrylics production                            |  |  |  |  |
| Moulding Compounds            | Fibers reinforced thermoset Moulding Compounds production                                   |  |  |  |  |
| Emulsification                | Mixing of different components for Gel Coats production                                     |  |  |  |  |

## Fitting the Future

Our R&D activity objective is to create products that favorably contribute to consumer needs while continuing to ensure rigorous environmental and health safeguards. For that reason, every day, our laboratories focus their efforts on activities that improve the performance of the final product to broaden their range and that rationalize manufacturing processes through new technologies.

These activities are always conducted keeping in mind our goal of reducing the environmental impact.

In order to reach this goal, we have benefited from the collaboration of several university institutes that allow us to frequently launch new products to the marketplace, while maintaining our traditional objective of creating a people-oriented chemical industry.



# **Strategic Achievements**

Our specialty chemicals business model is based on:

- Creating original development opportunities through competent and transparent leadership
- Enlarging our integrated production structure
- Improving our capacity to match the emerging market needs and diversify our fields of application by stimulating innovation and focusing attention on our clients' requirements

### Our experience is the guarantee. Our success is the proof. Our commitment is the future.

## Polynt - Reichhold Group Company Addresses

### AMERICAS

#### BRAZIL

#### Reichhold do Brasil LTDA.

Av. Amazonas, 1100 Mogi das Cruzes, São Paulo, 08744-340 Brasil Phone: +55 11 4795 8000 Fax: +55 11 4727 6382 email: contact.BR@polynt.com

### CANADA

#### Polynt Composites Canada, Inc.

29 Regan Road Brampton, ON L7A 1B2 Phone +1 905 495 0606 Fax: +1 905 840 2552 email: contact.CA@polynt.com

#### Polynt Composites Canada, Inc.

31 Highland Heights Road Cape Sable Island, NS B0W 1P0 Phone +1 902 745 2855 Fax: +1 902 745 2778 email: contact.CA@polynt.com

#### Polynt Composites Canada, Inc.

2650 Rue Thérèse - Casgrain Drummondville, QC J2A 4J5 Phone +1 819 477 4516 Fax +1 819 474 5000 email: contact.CA@polynt.com

#### Polynt Composites Canada, Inc.

90 Hoka Street Winnipeg, MB R2C 3N2 Phone +1 204 668 4900 Fax +1 204 668 4881 email: contact.CA@polynt.com

### MEXICO

#### Reichhold Quimica de Mexio, S.A. de C.V.

Boulevard Arturo Montiel Rojas, 10006 Parque Industrial Atlacomulco, 50458 Estado de México Phone: +52 800 728 5776 Fax: +52 712 122 0328 email: contact.US@polynt.com

### USA

#### Reichhold LLC 2

237 South Motor Avenue Azusa, CA 91702 United States Phone: +1 626 334 4974 Fax: +1 626 969 6978 email: contact.US@polynt.com

#### Polynt Composites USA Inc.

99 East Cottage Avenue Carpentersville, IL 60110 United States Phone: +1 800 322 8103 email: contact.US@polynt.com

#### Polynt Composites USA Inc.

920 Tightsqueeze Industrial Road Chatham, VA 24531 United States Phone: +1 434 432 8836 Fax: +1 434 432 1366 email: contact.US@polynt.com

#### Reichhold LLC 2

1035 Swabia Court Durham, NC 27703 United States Phone: +1 919-990-7500 email: contact.US@polynt.com

#### Polynt Composites USA Inc.

201 Cedar Road Ennis, TX 75119 United States Phone: +1 972 875 8634 Fax: +1 919-990-7749 email: contact.US@polynt.com

#### Polynt Composites USA Inc.

71 Barnett Road Forest Park, GA 30297 United States Phone: +1 404 362 4000 email: contact.US@polynt.com

#### Reichhold LLC 2

1503 Haden Houston TX, 77015 United States Phone: +1 713 799 1800 Fax: +1 713 796 1077 email: contact.US@polynt.com

#### Reichhold LLC 2

54 Wamsley Road Jacksonville, FL 32254 United States Phone: +1 904 695 7500 Fax: +1 904 695 7517 email: contact.US@polynt.com

#### Polynt Composites USA Inc.

5851 FM 1998 Marshall, TX 75672 United States Phone: +1 903 938 9571 Fax: +1 903 935 1801 email: contact.US@polynt.com

#### Reichhold LLC 2

6350 E Collins Rd Morris, IL 60450 United States Phone: +1 815 942 4600 Fax: +1 815 942 4722 email: contact.US@polynt.com

#### Polynt Composites USA Inc.

820 East 14th Avenue North Kansas City, MO 64116 United States Phone: +1 816 391 6000 Fax: +1 816 391 6337 email: contact.US@polynt.com

#### Polynt Composites USA Inc.

Regency Industrial Park 10124 Rocket Boulevard Orlando, FL 32824 United States Phone: +1 407 851 3030 Fax: +1 407 855 0674 email: contact.US@polynt.com

#### Reichhold LLC 2

425 South Pace Boulevard, Pensacola, FL 32502 United States Phone: +1 850 433 7621 Fax: +1 850 433 7699 email: contact.US@polynt.com

#### Polynt Composites USA Inc.

1321 First Street Sandusky, OH 44870 United States Phone: +1 419 625 1197 Fax: +1 419 625 8210 email: contact.US@polynt.com

#### Reichhold LLC 2

249 St. Louis Avenue Valley Park, MO 63088 United States Phone: +1 636 225 5226 Fax: +1 636 225 2954 email: contact.US@polynt.com

### EUROPE

### FRANCE

Polynt Composites France S.A.

Route D'Arras CS 50019 62320 Drocourt - France Phone: +33 3 21 74 84 00 Fax: +33 3 21 49 55 84 email: contact.FRcomposites@polynt.com contact.FRintermediates@polynt.com

### GERMANY

#### Polynt Composites Germany GmbH

Kieselstraße 2 56357 Miehlen - Germany Phone: +49 6772 93210 email: contact.DEcomposites@polynt.com contact.DEintermediates@polynt.com

### ITALY

#### Polynt S.p.A.

Via Caduti e Dispersi dell'Aeronautica, 18 24030 Brembate Sopra (BG) - Italy Phone: +39 035 62 31 00 Fax: +39 035 33 35 00 email: contact@polynt.com

#### Polynt S.p.A.

Via Abate Bertone, 10 13881 Cavaglià (BI) - Italy Phone: +39 0161 9966 11 Fax: +39 0161 9966 23 email: contact@polynt.com

#### Polynt S.p.A.

Via Baiona, 192 48123 Ravenna - Italy Phone: +39 0544 457 011 Fax: +39 0544 451 812 email: contact@polynt.com

#### Polynt S.p.A.

Via del Pruneto, 40 52027 San Giovanni Valdarno (AR) - Italy Phone: +39 055 91 281 Fax: +39 055 94 3936 email: contact@polynt.com

#### Polynt S.p.A.

Via Romagnoli, 23 43056 San Polo di Torrile (PR) - Italy Phone: +39 0521 812811 Fax: +39 0521 813445 email: contact@polynt.com

#### Polynt S.p.A.

Via Enrico Fermi, 51 24020 Scanzorosciate (BG) - Italy Phone: +39 035 652 111 Fax: +39 035 652 421 email: contact@polynt.com

#### NORWAY

#### Reichhold AS

Lilleborggata 4, 1630 Gamle Fredrikstad - Norway Phone: +47 69357000 Fax: +47 69357001 email: contact.NO@polynt.com

#### Polynt Composites Norway AS

Lilleborggata 4, 1630 Gamle Fredrikstad - Norway Phone: +47 69357000 Fax: +47 69357001 email: contact.NO@polynt.com

### POLAND

#### Polynt Composites Poland Sp. z o.o.

ul. Grabska 11d 32-005 Niepołomice - Poland Phone: +48 12 281 42 00 Fax: +48 12 281 42 01 email: contact.PLcomposites@polynt.com

### **SPAIN**

#### Polynt Composites Spain, S.L.U.

Avenida República Argentina, S/N 09200, Miranda de Ebro - Burgos -Spain Phone: +34 947 027 202 Fax: + 34 947 314 540 email: contact.EScomposites@polynt.com contact.ESintermediates@polynt.com

### UK

#### Polynt UK Ltd.

Station Road Cheddleton Staffordshire ST13 7EF -United Kingdom Phone: +44 (0) 1538 369 000 Fax: +44 (0) 1538 361 330 email: contact.UKIntermediates@polynt.com

#### **Reichhold UK Limited**

54 Willow Lane, Mitcham Surrey CR4 4NA - United Kingdom Phone: +44 20 8648 4684 Fax: +44 20 8640 6432 email: contact.UKComposites@polynt.com

#### Polynt Composites UK Ltd.

Laporte Road Stallingborough - Near Grimsby North East Lincolnshire DN41 8DR United Kingdom Phone: +44 1469 552570 Fax: +44 1469 552597 email: contact.UKComposites@polynt.com

## **ASIA & OCEANIA**

### CHINA

#### Polynt Chemical (Changzhou) Co., Ltd.

No. 10, Middle Gangqu Road, Chunjiang Town, Xinbei District, Changzhou 213033, Jiangsu Chemical Industrial Park - P.R.China Phone: +86 519 8577 9575 Fax: +86 519 8577 9866 email: contact.CN@polynt.com

#### Reichhold Polymers (TianJin) Ltd.

No 28, Bi Bo Street, Han Gu Modern Industry Park, TEDA, Tianjin, 300480 P.R.China Phone: +86 22 27389081 Fax: +86 22 27389082 email: contact@polynt.com

### INDIA

#### Reichhold India Pvt. Ltd.

DELPHI, 101 - A, Orchard Avenue, Hiranandani Business Park, Powai, Mumbai - 400076 Maharashtra - India Phone +91 22 4256 3311 Fax +91 22 4256 3317 email: contact@polynt.com

#### Reichhold India Pvt. Ltd.

F-38, MIDC Ranjangaon Industrial Area, Taluka, Shirur, Dist: Pune 412220 Maharashtra - India Phone +91 21 38675001 email: contact@polynt.com

### **KOREA**

#### Polynt Composites Korea Co. Ltd.

51, Wanju Sandan 4-ro, Bongdong-eup, Wanju-gun, Jeollabuk-do, 55321 Korea Phone: +82 63 260 2114 Fax: +82 63 261 6431 email: contact.KR@polynt.com

#### Polynt Composites Korea Co. Ltd.

7th floor, Dongwoo International Building, 19, Gukhoe-daero 74-gil, Yeongdeungpo-gu, Seoul, 07238 Korea Phone +82 (2) 3271 3302 Fax +82 (2) 3271 3399 Email contact.kr@polynt.com

### MALAYSIA

#### Polynt Composites Malaysia Sdn. Bhd.

PLO 45, Jalan Nibong 1, Tanjung Langsat Industrial Complex 81700 Pasir Gudang, Johor - Malaysia Phone: + 607 2578022/23 Fax: + 607 257 8199 email: PCM-SLS@polynt.com PCM-CS@polynt.com

This brochure is intended to provide a comprehensive list of the products and services available from all business sectors in which are active the companies and/or corporations controlled, directly or indirectly, by Specialty Chemicals International Ltd (hereinafter referred to as «Polynt Group»). The information, recommendations, answers and/or opinions contained herein (which must be intended only for explanatory purposes) are aimed to assist customers on the basis of our technical and scientific knowledge as of today, taking into account that our products are intended for sale to industrial and commercial customers. However we require customers to inspect and test our products before use and to satisfy themselves as to contents and suitability for their applications: nothing herein shall constitute or shall be deemed to be any other warranty or a representation, express or implied, including merchantability or fitness for a particular purpose or results to be obtained from the use of such information, nor shall be taken or construed as infringing of any existing patents. Product names in capital letters are registered trademarks of the relevant member of Polynt Reichhold Group. © Polynt S.p.A. - June 2020

Polynt Composites USA Inc. 99 East Cottage Avenue Carpentersville, IL 60110 United States Phone: +1 800 322 8103 email: contact.US@polynt.com www.polynt.com

Polynt S.p.A. Via Enrico Fermi, 51 24020 Scanzorosciate (BG) Italy Phone: +39 035 652 111 email: contact.IT@polynt.com www.polynt.com





