PAINT & COATING

Calcium Carbonates for
Paint & Coating Applications

Europe
IMERYS IS THE WORLD’S LARGEST PRODUCER OF WHITE INDUSTRIAL MINERALS, WITH A NETWORK OF PLANTS ACROSS SIX CONTINENTS INCLUDING MAJOR SITES IN THE UK, BELGIUM, FRANCE, ITALY, SPAIN, USA, BRAZIL, AUSTRALIA, JAPAN AND CHINA.

IMERYS Carbonates mineral processing expertise allows us to offer innovative additive solutions to match the requirements of your paint and coating applications. All of our products are backed by a high standard of technical service, product development and research from a team of experienced scientists and specialists in the application of minerals in the paint and coating industries.

Our extensive range of calcium carbonate and dolomite grades are manufactured from a variety of selected chalk, limestone, marble and dolomitic deposits. A wide range of particle sizes and powder brightness helps to ensure reliable quality and consistency of the end product.

These materials find use in a range of paint and coating applications, where they can be used for cost reduction reasons in extending one of the key expensive components in formulations such as TiO$_2$ and binding polymer. They are also used as functional fillers for high brightness, enhanced opacity, improving rheological and mechanical properties and weathering resistance.

IMERYS marble based products are recommended for use in general industrial metal primers and road marking paints, and the Imextend™ range is particularly well suited to extending TiO$_2$ properties in Powder Coatings for domestic appliance areas.

IMERYS GCC slurry grades are available in various locations to increase the production efficiency and to provide cost savings in the formulation for paint producers.

Aquacarb™ 402 is a high-solid marble slurry that is designed to replace the traditional combination of 2µm and 5µm dry GCC products, while maintaining matting & mechanical properties. Using slurries in emulsion paint manufacture can reduce costs through energy reduction and improved production capacity.
## PRODUCTS

### Key
- **Recommended**
- **Can be Used**

| Country of Origin | Polcarb 60 | Polcarb 90 | Micronic O | Queensfil 25 | Carbital 110 | Carbital 115 | Carbital 120 | Carbital 130 | Carbital 140 | Imercarb 1G | Imercarb 2G | Imercarb 3G | Imercarb 5G | Imercarb 10G | Imercarb 1 | Imercarb 2L | Imercarb 5L | Imercarb 10L | Imercarb 15L | Imercarb 20L | Imercarb 25L | Imextend 06CL | Imextend 09CL | Imextend 14CL | Calcidol | DRB 3 | DRB 20 | DRB 30 |
|------------------|-----------|-----------|------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|-------------|--------------|-----------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|--------|--------|--------|--------|
| UK               | ⬤         | ⬤         | ⬤          | ⬤           | ⬤            | ⬤            | ⬤            | ⬤            | ⬤            | ⬤          | ⬤          | ⬤          | ⬤            | ⬤            | ⬤          | ⬤            | ⬤            | ⬤            | ⬤            | ⬤            | ⬤            | ⬤            | ⬤          | ⬤         | ⬤        | ⬤        |
| FR               | ⬤         | ⬤         | ⬤          | ⬤           | ⬤            | ⬤            | ⬤            | ⬤            | ⬤            | ⬤          | ⬤          | ⬤          | ⬤            | ⬤            | ⬤          | ⬤            | ⬤            | ⬤            | ⬤            | ⬤            | ⬤            | ⬤            | ⬤          | ⬤         | ⬤        | ⬤        |
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| BE              | ⬤          | ⬤          | ⬤           | ⬤            | ⬤             | ⬤             | ⬤             | ⬤             | ⬤             | ⬤           | ⬤           | ⬤           | ⬤             | ⬤             | ⬤           | ⬤             | ⬤             | ⬤             | ⬤             | ⬤             | ⬤             | ⬤             | ⬤          | ⬤         | ⬤        | ⬤        |

### PRODUCTS

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<th>Aquacarb 752</th>
<th>Aquacarb 902</th>
<th>Aquacarb Extra</th>
<th>Aquacarb Ultra</th>
<th>Aquacarb 402PE</th>
<th>Aquacarb 402G</th>
<th>Aquacarb 502G</th>
<th>Aquacarb 70V</th>
<th>Polcarb 60 Slurry</th>
<th>Polcarb 90 Slurry</th>
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### Gloss
- **Gloss**
- **Semi-Gloss & Eggshell**
- **Matt - Exterior**
- **Matt - Interior**
- **Undercoats / Primers**
- **Metal Primers**
- **Powder Coatings**
- **Road Marking Paint**
- **Brightness (ISO)**
- **% + 10 microns**
- **% 1-2 microns**
- **Mean Particle Size (µm)**
- **Particle Size (µm)**
- **Oil Absorption (g/100g Solids)**
- **Phosphorus (ppm)**
- **Solid Content, %**
- **Viscosity, (cP max.)**
- **Country of Origin**

### GCC Slurry

- **Aquacarb 602**
- **Aquacarb 752**
- **Aquacarb 902**
- **Aquacarb Extra**
- **Aquacarb Ultra**
- **Aquacarb 402PE**
- **Aquacarb 402G**
- **Aquacarb 502G**
- **Aquacarb 70V**
- **Polcarb 60 Slurry**
- **Polcarb 90 Slurry**
IMERYS carbonates enable a whole range of benefits to be delivered to the final product to ensure the most cost-effective formulation to be delivered.

QUALITY ORE RESERVES
IMERYS Carbonates has detailed knowledge of the specific properties of our mineral and the applications that provide most value. The refining and conversion tools used to purify our carbonates and adapt them to precise industrial applications are adjusted for optimum functionality for a given grade.

PRECISION PROCESSING
At state-of-the-art plants, crude ore is engineered to carefully controlled specifications such as particle size, specific surface area, colour and pH. The unique nature of our deposits and processes gives precise functional properties when selected for specific applications.

QUALITY CONTROL
IMERYS Carbonates has developed a sophisticated method of analysing and benchmarking the mineral based upon standard and customised tests. Our quality management systems are ISO 9001:2008 certified and, through our individual team activities, we seek to continually improve its effectiveness to enhance customer satisfaction and to remain the leader in quality in our industry.

ADDING VALUE THROUGH RESEARCH
Our experienced scientists and engineers work closely with our customers’ plant and production managers in a wide range of industries. We offer problem solving advice for increasing productivity or improving product quality utilising existing grades, innovative solutions or customised new product development. Our application development laboratories conduct basic and applied research, product development, process improvement and pilot plant operations.