Mikhart

Extracted and converted from deposits of white marble from the Pyrénées Orientales in South of France, the range of ground calcium carbonate Mikhart is characterized by its high brightness and chemical purity. Its physical and chemical properties allow it to be used in all CaCO₃ industrial applications. This range of product is also available in coated version.

Calgar

Extracted and converted from deposits of marble from the Rhône Valley in South of France, the range of ground calcium carbonate Calgar is suitable for all industrial applications that require a high chemical purity and an intermediate brightness.

Criscal

Based on the whitest marble deposits from Spain, the range of ground calcium carbonate Criscal is characterized by its high level of brightness and its high chemical purity. This range is particularly suitable for all applications where a high level of brightness is required.

Calatem

Calcium is a high purity and brightness GCC. Their chemical and physical properties allow them to be used in all industrial uses of CaCO₃. This range is also available in coated version.

Procarb

Blurry of calcium carbonate specially designed for manufacture of emulsion paints.

Addfill

Extracted and converted from calcite deposits from the Rhône Valley in South of France, the Addfill is a type I limestone addition conform to NF P 18-508 including alkali reactivity. Addfill is manufactured in our plants of Montpriers (Pyrénées Orientales - France), Arbois (Spain) and Pouzilhac (Gard - France).

Alica

GCC for feed uses. Extracted and converted from deposits of white marble from South of France, Alica shows a high brightness and chemical purity. This allows it to be used in the field of animal feeding. This range is available from our plants Pouzilhac (Gard) and Cases de Pène (Pyrénées Orientales).

AH Mikhart

Extracted and converted from deposits of white marble from the Pyrénées Orientales in South of France, the range of ground calcium carbonate AH Mikhart meets requirements of human food for the additive E170.

Calprec

Precipitated Calcium Carbonate (PCC)

Dolomie

Dolomkr® Double calcium & magnesium carbonate with a very high brightness. Mainly used in the paint & coating industries, tiles, fertilisers & agricultural uses.

Marble granulates

Pronénap SA offers a large range of natural granulates in various shapes and particle sizes. Extracted from France (Ves Gard, Pyrénées Orientales) and from Spain, its colorful blue, red, yellow and white granules can be used for several applications. The rosé de Brignoles marble is extracted from our pit of Candillon closed to Cote d’Azur in France. Roman master-builders noticed the outstanding qualities of the Rosé of Brignoles and used it extensively in their buildings, some of which have survived as Basilique Saint Pierre in Rome or Louvre Museum in Paris.

Decorative products

Coloured sands & granulates

Produced out of pure silica sand with round particle, pyrite-free, 2K synthetic resins and pigments with high light-fastness, Coloritquartz is available in 5 standard grain-sizes (0.4-0.6mm, 0.7-1.0mm, 1.2-1.8mm, 2.3-3.6mm at 3.5mm) and over 700 shades (direct or mixed). The excellent abrasion fastness combined to its chemical stability and its high Mohs hardness of 7 allow these products to be used in coloured plaster, solid surface & engineered stones products made of PMMA, PU EPS and in road marking.

Other minerals

In order to offer a complete range of products, Pronénap has selected a panel of products from the best partners.

Some products may not be available from us in your country.

Barite

BARNIT, BARFIT, BARSTAR & BLANC ROC

Barite is a high purity and excellent brightness. A modern, efficient production process makes us able to supply a wide range of Barfit ® products to satisfy the requirements of a great variety of industrial applications. High content of Barfit ® is guaranteed by a system of enrichment complying with the strict regulations in force for protection of the environment. The Barstar ® range complies with European EN 71, Part 5 regulations concerning migration of certain metallic elements.

Blanc ROC®: NATURAL BARITUM SULPHATE of high purity and extremely brightness. Latest generation micronising processes give this product range the properties of Barium Sulphate precipitate, making it an excellent extender in systems requiring unsurpassable inertial and physical and chemical resistance. Blanc Roc ® is ideal to meet the requirements of the wide variety of industrial applications. High content of Barfit ® is guaranteed by a system of enrichment complying with the strict regulations in force for protection of the environment. The Blanc Roc ® range complies with European EN 71, Part 5 regulations concerning migration of certain metallic elements.

Talkron® CLASSIC is a natural mix of talc and china, with a lamellar structure. Its natural properties, together with the different particle sizes available, allow the user to regulate and adjust the gloss levels required. It also enables easier dispersion. The product is indicated for systems where a low level of brightness is required. Its laminary property retains a hydrophobic and barrier effect which is perfect for industrial, anticorrosion and decorative paints, it also provides dry hiding properties.

Talkron® ZERO is a Talc of high purity and lamellar structure, with a good grade of brightness. The double classified manufacturing process results in a de-tailed talc with low ash absorption and low surface area, making it ideal for use in high solids coatings and resulting in lower formulation costs. Anti-corrision result due to its laminary and purity, which provides hydrophobic properties and outdoor resistance due to its barrier effect. Its different particle sizes allow gloss regulation.

Talkron® STYL Talkron® STYL is a Talc with a small part of double calcium carbonate and magnesium. This natural mix, with an excellent degree of brightness and mostly lamellar structure, is especially reticulated in water-based systems. Using the correct manufacturing process for each product, we obtain the ideal particle size, whilst maintaining the lamellar structure and the absorptive level for each application. Its different particle sizes allow gloss regulation and adjustment.

Talkron® PURE is a talc of high purity and excellent whiteness. It is produced by a new delaminating process, which ensures it is much more lamellar than other conventional talcs. This confers a barrier and hydrophobic effect in indoor and outdoor coatings, and it provides the polymers with excellent resistance and flexibility. Thanks to its whiteness and whiteness it is an excellent extender. Confers superior dry hiding properties and is also a suitable partial replacement for TiO₂, enabling a reduction in formulation costs.

Mica

MUSCOVITE & PHLOGOPITE

Muscovite - Mica muscovite comes from Appenzler’s Austrian resources and is characterized by the following special properties:
- natural fine particle sizes
- marked lamellar structure
- high brightness - high aspect ratio
- high purity

Those properties allow to improve the final product properties significantly in terms of:
- Better adhesion
- Better resistance to UV and IR
- Better chemical resistance
- Reduced permeability
- Better surface properties

All those properties allow to use mica muscovite in all type of aqueous paint, as well as for anti corrosion, industrial or road paints. For plastics, mica muscovite has a major impact on:
- HDT
- Thermal conductivity, mechanical resistance and heat insulation
- Improved flexibility
- Better chemical resistance

The product is also produced untreated as well as with application-specific product modifications (e.g. surface treatment). Applications include especially thermostats polymers (e.g. PU,PE,PP-PS), thermocouples, elastomers, rubbers, papers, and coating compouds.

In addition to the classic range of products, the T serie offers the possibility not to be subject of the STOT labeling thanks to its low level of responsible cryotlatine silicon. This implies a easier usage during manufacturing process as well as conformity of the final product with the new environmental rules.

TREFIL silpho-for phosphor compouds

Polyphosphate is used in various applications. It is used for example in injection moulding for domestic appliances, electromechanic, car manufacturing, as well as by extrusion in the form of fibers and of movies. During the last decade, the polyphosphate was more and more used for the material in the car industry. High dimensions parts such as brackets and threshold or internal-draemings are made with this compound.

The use of lamellar phospho allows to improve thermal and mechanical properties of PP compound. We can thus obtain:
- Reduction of the wrinkleage,
- Improvement of the heat resistance,
- Improvement of the traction resistance,
- Increase of elasticity modulus.

Aluminium Tri-Hydrat (ATH)

Silatherm

This products are mainly used to improve the thermal conductivity in thermoplastics and thermoreacts in order to facilitate the heat dissipation. In comparison to other classical solution for thermal conductivity this products has the main asset to not alterate the dielectric properties of the polymers it is in. Silatherm is available with different surface treatment in order to facilitaite its introduction.

Natural alumino silicate

This products are mainly used to improve the thermal conductivity in thermoplastics and thermoreacts in order to facilitate the heat dissipation. In comparison to other classical solution for thermal conductivity this products has the main asset to not alterate the dielectric properties of the polymers it is in. Silatherm is available with different surface treatment in order to facilitaite its introduction.
**Wollastonit**

Reinforcement, low thermal expansion.
Wollastonite is a natural occurring calcium silicate. It is formed from calcium carbonate and silicon dioxide at about 450°C. The structure of the wollastonite particles depends not only on natural conditions but also to a large extent on the preparation and size reduction techniques employed. Using specific processing technologies wollastonite powders with particle structures from nearly block-like with a low aspect ratio (LAR) (TREMIND 283 products) to exceptional acicular structures with a high aspect ratio (HAR) (TREMIND 939-products) are achieved.

Key applications:
- engineering technical plastics (i.e. polypropylene, polyamide, polyurethane) for the automotive industry
- fluorosilicone rubber e.g. for all seal
- friction linings
- powder coatings, corrosion protection (i.e. epoxy- or polyurethane-based aqueous systems)

**Kaolin / Chinaclay**

Fine filler with reinforcing properties.
Kaolin is a natural occurring raw material, which is refined to an industrial raw material by extend processing. Kaolin is separated of its accessory mineral by water separator technique. The classification in different grain size distributions takes place through draft washing, magnetic and sieve classifier and centrifuges. Subsequent devolatilization of wetmilling residue and drying takes place. Bleachery and magnetic separator improve several kaolin products.

**Anhydrit**

A filler that can withstand humidity.
Finely ground and cleansed natural anhydrite is a waterless sulphate. It is often formed as an evaporation product from sea water subjected to progressive concentration of the salt water solution. Anhydrite makes up the sturdy solid base of gypsum deposits and can be mined separately.

Main applications: Industrial paints (e.g. corrosion protection, transparent lacquers). Construction chemicals (e.g. floor coverings, screeds). Clear lacquer systems (among other things UV wood varnishes) Adhesives

**Fused Silica**

Amorphous, extremely low coefficient of thermal expansion.
Fused silica is the amorphous modification of high purity quartz. It is synthesized using an electric arc. The main feature of fused silica is an extremely low coefficient of thermal expansion (0.3 - 10⁻⁶/°K). Therefore these products are particularly suitable for special applications with alternating temperature loading. Grain sizes down to 1µm are achieved by iron free grinding and subsequent air separation. Thus we are able to offer grain size distributions from a couple of micrometers down to a few nanometers.

Key applications:
- electrical insulating
- - casting resin systems
- - - electronics
- - - precision casting
- - - engineering
- - - ceramics

**Synthetic Corundum**

High hardness and transparency.
Synthetic corundum is an industrial product. It is melted of high quality aluminium oxide. Synthetic corundum consists of ab... 

**Feldspar**

With a proportion of almost 60 %, by weight of the structure of the earth’s crust that is accessible for us, feldspars are by far the most frequent group of minerals. Feldspar is a... 

**Cellulose**

JELUCEL® qualities are highly effective functional cellulose powders made from controlled vegetable raw materials. JELUCEL® qualities are purified, colour-neutral, almost inert, and are available in different particle sizes and fibre lengths to suit manifold industrial applications, working e.g. as texturiser, binder of liquids, thickener, reinforcing agent and much more.

**Glass microspheres**

SOLID GLASS MICROBALLS ULTRA RESISTANT + SPHERIGLASS» and ULTRAFINE + SPHERIGLASS SUBSIEVE »
Solid glass microspheres provide a unique functional additive with the combination of benefits they bring to finished products (meane, paints and varnishes) because of their spherical shape and chemical composition.

They provide the following benefits:
- high dimensional stability of the end products - ease of implementation  
- improved resistance to demineralisation and scratching - improved surface appearance  
- improved mechanical properties such as compressive strength  

HOLLOW MICROSPHERES ULTRA LIGHT + Q-CELL + AND RESISTANT + SPHERIGLASS »
Hollow microspheres, in addition to the benefits mentioned for solid microspheres, give the end products the following properties:
- significant reduction in density - thermal and sound insulating properties - VOC reduction

**Pigment preparations**

VOCaflex, VOCaplast, HELIOCOLOR

**Phosphorescent amorphous silica**

VOCaplast in various configurations for Paper & Ink, EP, L (coated for use on paper) and for textile dyeing, textiles coating (taupolins)

---

29, Avenue Frédéric Mistral - CS40097 - F83175 Brignoles (France)
Tel: +31 (0) 49 72 83 03 - Fax +31 (0) 49 59 04 55
info@provencale.com   www.provencale.com