

The definition of **WHITE**



Zirconium Silicate | Zircon Flour

About Oronova Group

Oronova Group was established by Mr. Shankarbhai Patel in 2002. Journey was started in 2002 by small scale manufacturing facility of Zirconium Silicate with capacity of 500MT per year at Idar, Sabarkantha, Gujarat, India with the name Alex cera Industry. Which have now evolve to 3000 Mt per Year.

At Present

Oronova Group has established four world class manufacturing facilities. Oronova Group is well known in ceramic industry for its quality products like Zinc Oxide, Zirconium Silicate, Zirconium 1 Micron, Zirconium 5 Micron, Calcined Alumina, Barium Carbonate and others.

Oronova group is one of the diverse group in region with many fine products like Liquid Bromine, Magnesium Chloride (MgCl₂), Zinc Oxide, Zirconium Silicate, etc. Oronova Group touched many lives by direct and indirect supply of its fine products to many industries like Rubber, Paint, Pharmaceuticals, Chemicals, Dyes, agriculture and many more.



Oronova Zircon

We are leading manufacturer, supplier and exporter of Zirconium Silicate, Zirconium 1 micron, Zirconium 5 micron, and Zircon floor based in Idar, Sabarkantha, Gujarat, India. The manufacturing facility was established in 2002. We have experience of over the two decades in premium ceramic raw materials.

Oronova zircon is a fine quality product of an ORONOVA GROUP company Privon Glass Private limited. We are the company is based in Idar, Sabarkantha, Gujarat, India. ORONOVA is well known brand in ceramic, rubber, paint industry for zinc oxide.



Oronova Zircon Product Range

Oronova guarantees the outstanding quality of its products through the use of premium-grade sands from all over the world as raw materials and the latest processing techniques for milling that result in a consistent supply of controlled particle size of its end products. Our dedication lies in supplying the highest quality of products and achieving an exceptional standard of customer satisfaction and their products.

Oronova Zirconium Silicate opacifiers come in many grades.

Zircon Max (1 Micron)

Zircon Max 1 Micron was developed in efforts to enhance quality and utility for our customers which provides better results to our clients in terms of whiteness and glossiness.

Zircon Ultra (5 Micron)

Zircon Ultra 5 Micron micronized Opacifier is used in production of glazes, where a high degree of whiteness and covering power is required. Zircon Ultra has been chosen by leading Ceramic manufacturers as their standard Opacifier in consideration of its high quality and of the global presence of Oronova Zircon in the Indian market.

Zircon Premium (5 Micron)

Zircon Premium 5 Micron micronized Opacifier is a result of customization for customer requirements. used in production of glazes, with same whiteness and covering power is required.

Zircon Flour

Oronova Zircon also produces Zircon Flour 325 Mesh which is used in various industrial sectors such as: Frits production, Refractory materials,

Zircon Sand

Zircon Sand is Premium Grades from all over the world which has been cleaned over years by nature. For Investment Casting we have Premium Coarse Grade of Zircon Sand.

Zircon Max (1 Micron)

Zircon Max 1 Micron was developed in efforts to enhance quality and utility for our customers which provides better results to our clients in terms of whiteness and glossiness.



Physical Characteristics	Average particle size D50: <1.1 μ
ZrO ₂ + HfO ₂	64.3% \pm 0.6
SiO ₂	32.5% \pm 0.5
Fe ₂ O ₃	0.07% \pm 0.01
TiO ₂	0.15% \pm 0.03
Al ₂ O ₃	2% \pm 0.5

Zircon Ultra (5 Micron)

Zircon Ultra 5 Micron micronized Opacifier is used in production of glazes, where a high degree of whiteness and covering power is required. Zircon Ultra has been chosen by leading Ceramic manufacturers as their standard Opacifier in consideration of its high quality and of the global presence of Oronova Zircon in the Indian market.

Physical Characteristics	Average particle size D50: <1.45 μ
ZrO ₂ + HfO ₂	64.8% \pm 0.6
SiO ₂	32.5% \pm 0.5
Fe ₂ O ₃	0.07% \pm 0.01
TiO ₂	0.15% \pm 0.03
Al ₂ O ₃	1.20% \pm 0.5



Zircon Premium (5 Micron)

Zircon Premium 5 Micron micronized Opacifier is a result of customization for customer requirements. used in production of glazes, with same whiteness and covering power is required.



Physical Characteristics	Average particle size D50: <1.45μ
ZrO ₂ + HfO ₂	52.0% ± 0.6
SiO ₂	32.5% ± 0.5
Fe ₂ O ₃	0.07% ± 0.01
TiO ₂	0.15% ± 0.03
Al ₂ O ₃	14.0% ± 0.5

Zircon Flour

Oronova Zircon also produces Zircon Flour 325 Mesh which is used in various industrial sectors such as: Frits production, Refractory materials, Foundries, Investment casting.

Physical Characteristics	Average particle size D95: 325 MESH/44μ
ZrO ₂ + HfO ₂	64.0% ± 0.6
SiO ₂	32.5% ± 0.5
Fe ₂ O ₃	0.07% ± 0.01
TiO ₂	0.15% ± 0.03
Al ₂ O ₃	0.5% ± 0.5





Zircon Sand

Zircon Sand is Premium Grades from all over the world which has been cleaned over years by nature. For Investment Casting we have Premium Coarse Grade of Zircon Sand.

Physical Characteristics	D 97 : 110 μ
ZrO ₂ + HfO ₂	66.10% \pm 0.8
SiO ₂ (Total)	32.7% \pm 0.5
Fe ₂ O ₃	0.7% \pm 0.03
TiO ₂	0.15% \pm 0.03
Al ₂ O ₃	0.60% \pm 0.25
P	0.02% \pm 0.01
U	220 - 260 ppm
Th	140-220 ppm
U + Th	360 - 480 ppm
Free Silica as Quartz	< 0.05%

Quality

Quality assurance, Research & development.

The dedication of ours for quality reflects in our company logo. It shows three words...

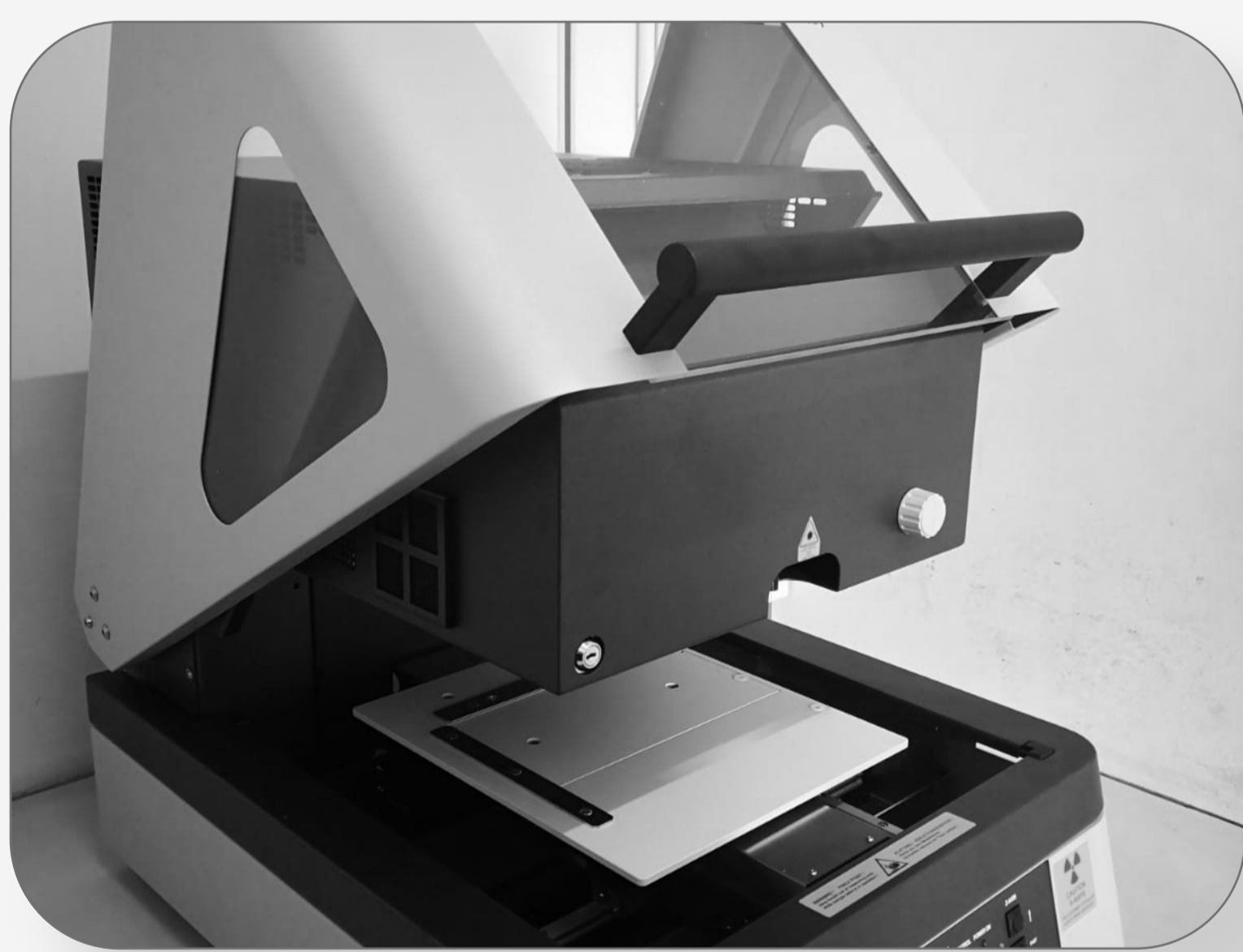
Consistent: We here in Oronova believes quality must be consistent, it's never the one time process.

Quality: we have quality as our first priority. In this time of competitive market our quality products does the half job done in terms of marketing.

Commitment: One of the best ways to demonstrate that commitment is to create a culture of quality and customer satisfaction



At Oronova Zircon we use state of the art technology and equipment for our commitment to Consistent quality and ensuring consistent production of premium quality products.



We use XRF for every batch of raw material we receive and premium quality products we make to analyze its content.

We use Particle Size Analyzers to measure and ensure quality milling for every batch we produce.



Applications of Zircon and Zirconium Silicate



Zircon Bricks



Foundries



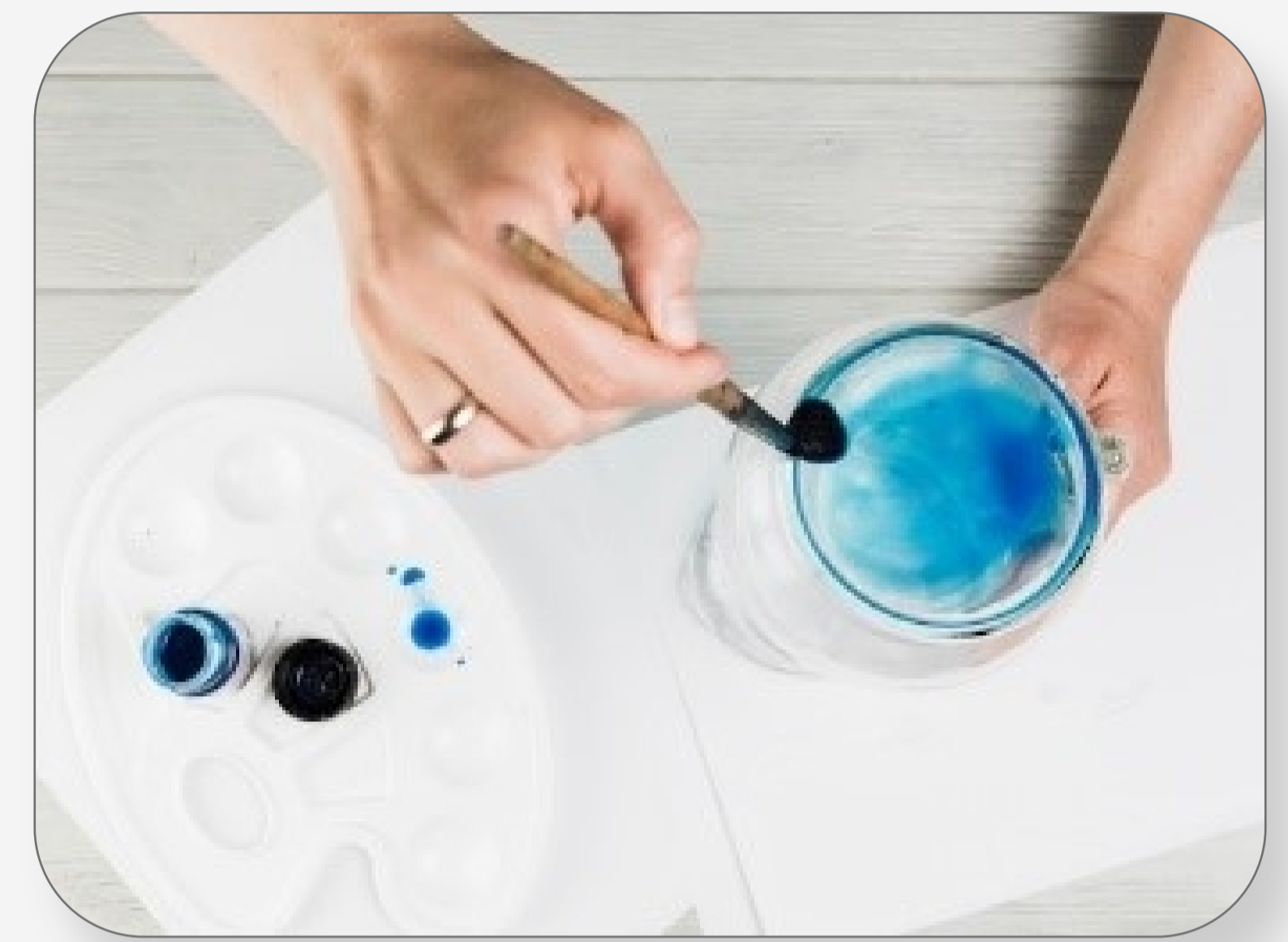
sanitary



Pottery Industries



Porcelain Glaze



Expose Resin



Glass



Ceramic Color



Frit



Special refractories



Ceramic Glazes & Body



Insulators



Tableware



Brake Linings



Investment Casting

