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aurora

MATERIALS



About Us



Aurora Finishings FZ-LLC “Aurora” is a trading company established in the Ras Al Khaimah emirate of the United Arab Emirates

Aurora is specialized in the sales of raw materials, consumables, machinery and spare parts for ceramic tiles and sanitaryware among other industries. We have been active in the ceramic field for more than 30 years and we can take advantage of our proximity to all GCC, Middle Eastern, and North African countries to better serve our clients in the region.

Our extensive knowledge of the manufacturing process allows us to fully meet our customers' requirements, offering various products and services in a single solution.

Aurora is also affiliated with a sister company [Ceram Consult](#) that provides all types of consulting services for the ceramic tiles and sanitaryware manufacturers.

Aurora and [Ceram Consult](#) complete each other to make sure the client receives the ultimate comprehensive solution



Raw Materials & Chemicals

Zirconium Silicates, Back wash, Stains and Pigments, Clays, Felspars, STPP, CMC, Nano coatings, etc.



Consumables & Spare Parts

Molds and Dies, Punches and Liners, Ceramic Rollers, Milling media, polishing and squaring tools, Belts, etc.



Plants, Equipment & Other Services

Water Treatment Plants, Filter Presses, Sludge treatment plants, Used Machinery, etc.



Energy Saving Solutions

Solar power plants, Industrial lighting, Power transformation units, Electrical panels and networks, etc.

Raw Materials & Chemicals



Aurora offers a wide range of raw materials and chemicals for the ceramic tiles, porcelain tiles and sanitary ware manufacturing sectors.

The range of products includes:

- Glazes and Frits
- Zirconium Silicates
- Stains and Pigments
- Binders and Deflocculants
- Roller Protection Engobe
- Ball Clays , Kaolin and Feldspar

Aurora offers a comprehensive range of top-notch glazes, Frits and pigments specifically designed for the production of ceramic and porcelain tiles. We take pride in delivering products of exceptional quality while maintaining competitive pricing. Additionally, our glazes are ISO 9001 certified and renowned for manufacturing high-quality glazes. With a strong commitment to excellence, we have exported our certified products to more than 30 different countries worldwide.



Frits and glazes for all applications



Pigments, nano-pigments, and dry mix pigments



Vetrosa, printing glazes, reactive glazes, and metallic glazes



Digital Inks



Zirconium Silicate

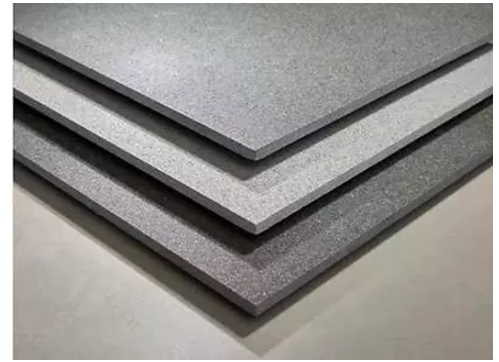
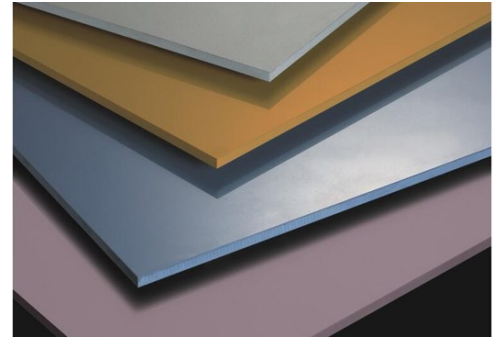
Aurora is committed to delivering the highest quality zirconium silicate for the ceramic industry, all while ensuring competitive pricing. Through internal synergy and effective teamwork, we have established strong partnerships with top producers of zirconium silicate specifically tailored for the ceramic industry.



Our source of zirconium silicate is located in Australia, renowned for its exceptional quality and reliability. By harnessing these partnerships and leveraging our sourcing capabilities, we are able to provide our customers with premium zirconium silicate that meets their exacting standards and contributes to the success of their ceramic endeavors.



Our Zirconium Silicate is available in a particle size range that spans from particles smaller than 1 micron to sand-sized particles. This wide range of particle sizes allows our customers in the ceramic industry to select the most suitable Zirconium Silicate for their specific applications and desired outcomes.

Aurora collaborates with premier producers in China's high-quality ceramic body stains sector. With over 20 years of experience, our company has established itself as a leading manufacturer in this field. We take great pride in our extensive expertise and commitment to excellence.



CERAMIC BODY PIGMENT SERIES				
Code No.	Color	Composition	Max. Firing Temp.	Color Stains
ZB-BLK-4017(level 4)	Black	Fe-Cr	1300°C	
ZB-BLK-3562(level 3)			1250°C	
ZB-BLK-2803(level 2)			1250°C	
ZB-BLK-1945(level 1)			1250°C	
ZB-CYE-1107	Coral Yellow	Al-Fe	1250°C	
ZB-CRE-1101	Coral Red	Al-Fe	1250°C	
ZB-AKA-1102	AKA Red	Al-Fe	1250°C	
ZB-MRE	Manganese Red	Mn-Al	1250°C	
ZB-DRE	Desert Red	Al-Y-Cr-Ca	1250°C	
ZB-GTR	Ferrosilicon Red	Si-Fe	1250°C	
ZB-PYE	Pure Yellow	Ti-Sb-Cr	1250°C	
ZB-OYE	Orange	Ti-Sb-Cr	1250°C	
ZB-GRY	Gray	Al-Fe-Cr-Si-Co	1250°C	
ZB-VBL	V-Zr-blue	V-Zr-Si	1300°C	
ZB-COB	Cobalt Blue	Al-Co-Mg	1300°C	

Aurora specializes in offering an extensive selection of body and glaze additives tailored to the unique needs of ceramic tiles, porcelain tiles, and sanitary ware manufacturers.

By collaborating with industry-leading companies, Aurora ensures the delivery of premium co-additives, deflocculants, and printing mediums to its esteemed clientele, thus guaranteeing superior quality and performance in their manufacturing processes.



Body Binders

Available in both powder and liquid forms and different types for the body and glaze



CMC

Different types for glazes and body use



Deflocculant

Available in both powder and liquid forms. Including STPP and other types of deflocculants

Additives

Thickening, Fixing, Anti-sticking, Anti-foaming agents and glaze preservatives

Printing Mediums

For all printing applications such as silk screen, third fire, rotocolor, inkjet, etc.

Aurora offers Roller Protection Engobe (Backwash), a high-quality backwash solution designed to complement all applications of wall, floor, and porcelain tiles, even under demanding conditions with temperatures reaching up to 1250°C.

Magnesite:

Different types of engobes are available suitable for both porcelain and ceramic tiles



Our Back wash product is specifically formulated to extend the cleaning cycle of rollers significantly. This results in enhanced operational efficiency and reduced downtime for tile manufacturers, ensuring a smoother production workflow.

Therefore, improving the production quality and reducing the defects generated due to dirty rollers

Aurora specializes in supplying a comprehensive selection of Ball Clays, Kaolin, and Feldspars to meet the diverse needs of ceramic tiles, porcelain tiles, and sanitary ware manufacturers.

Through strategic partnerships with renowned companies, **Aurora** ensures the provision of top-notch raw materials to its valued clients, enabling them to achieve the finest body composition for wall, floor and porcelain bodies. This collaborative approach empowers manufacturers to gain a competitive advantage in the market, delivering products of exceptional quality and performance.



Ball Clays

Ball clays with excellent plasticity and high green and fired MOR with various whiteness levels



Feldspar

Both Soda and Potash Feldspar with different grades are offered



Kaolin

Different types of Kaolin's are available suitable for glazes and body use



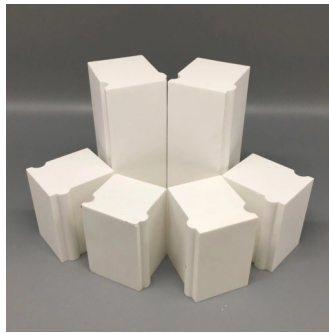
Aurora offers a wide range of consumables and spare parts for the ceramic tiles, porcelain tiles and sanitary ware manufacturing sectors.

The range of products includes:

- Milling media and mill lining bricks
- Polishing and squaring tools
- Kiln rollers and furniture
- Molds and Dies
- Belts for all applications

Aurora provides a comprehensive selection of Alumina and Silex grinding media and mill lining solutions. The Alumina content offered ranges from 68% to 95%, catering to a diverse range of applications. Additionally, our grinding media and mill lining products are available in various sizes, ensuring versatility and adaptability to meet specific requirements.

92% Alumina milling and lining Bricks



68% Alumina milling media and lining Bricks

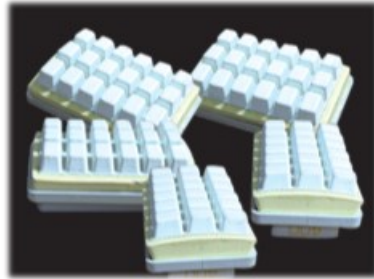


Flint / Silex milling media and lining Bricks

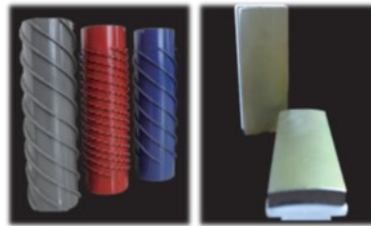


Polishing & Rectification tools

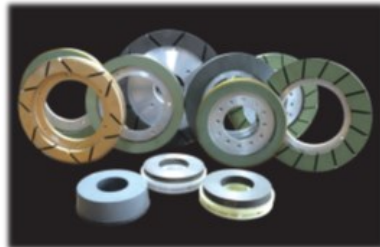
Aurora offers premium Polishing and Rectification tools specifically designed for the ceramic industry. These high-quality tools are meticulously crafted to ensure our clients can achieve the utmost excellence in their manufacturing processes, resulting in the production of top-quality products.



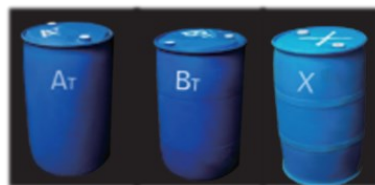
Abrasives for glaze polishing of different types and for different applications with different grit sizes



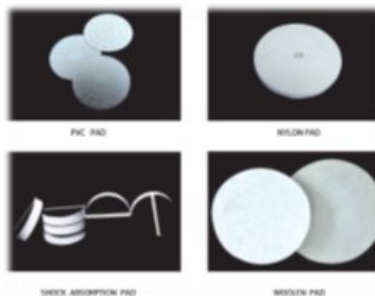
Calibrating rollers and abrasives used for the polishing of Unglazed porcelain tiles of different types and for different applications with different grit sizes



Squaring and chamfering wheels for both wet and dry applications



Nano polishing tools for the final coating used for porcelain and glazed polished tiles



Aurora is a provider of Kiln Rollers sourced from the world's most innovative companies, which utilize cutting-edge technology to manufacture high-tech ceramic products of exceptional quality.

Our extensive range of rollers is available in various types and sizes, offering our clients the flexibility to choose the most suitable options for their specific applications. These rollers are designed to withstand different temperature capabilities, ranging from 1100°C to 1400°C, ensuring seamless compatibility with diverse kiln heating zones.



Each roller type is thoughtfully engineered to cater to the production of different types of tiles, meeting the varied demands of the ceramic industry. Whether it's vitrified tiles, polished tiles, wall tiles, floor tiles, or inner and outer wall tiles, Aurora's Kiln Rollers are tailored to deliver optimal results for a wide array of ceramic products.

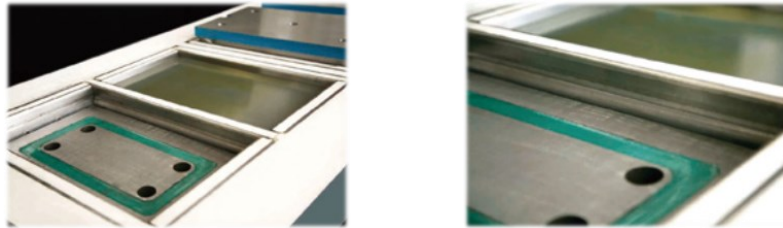
All types and sizes of Ceramic rollers are available for different applications, working temperatures and kiln zones

Recrystallized Silicon Carbide products.

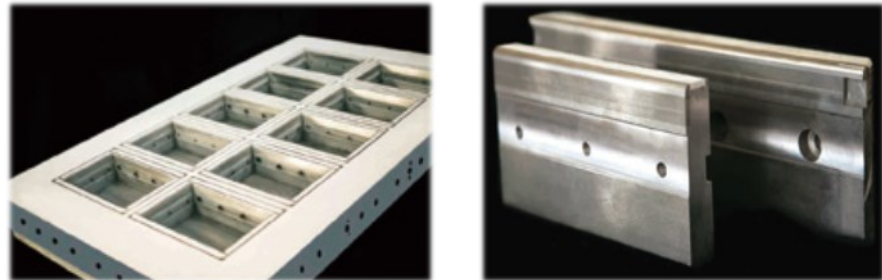
Aurora provides a comprehensive range of molds and dies, tailored to meet the distinct requirements of our valued customers:

We offer molds and dies sourced from leading Chinese manufacturers, who hold ISO 9000 certification, ensuring adherence to stringent quality standards. These options are not only reliable but also cost-effective, providing practical solutions for various applications.

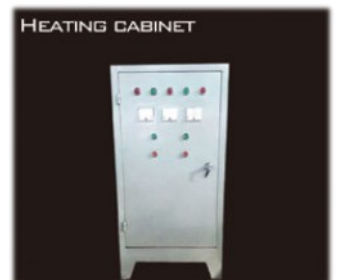
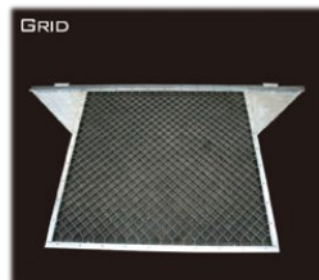
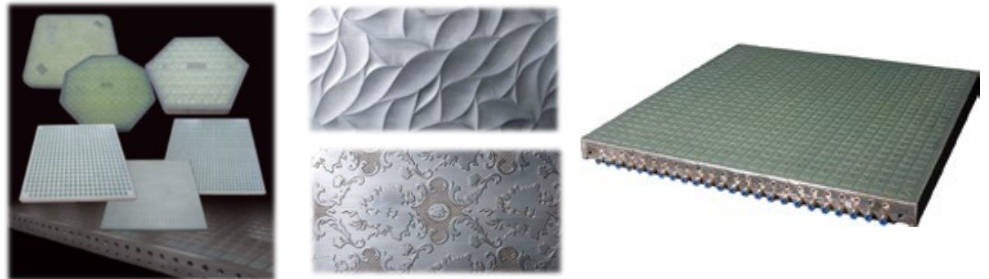
We also provide mold and die regeneration services exclusively within Saudi Arabia.



Complete molds and Dies for the ceramic tiles Industry



Die boxes and Liners



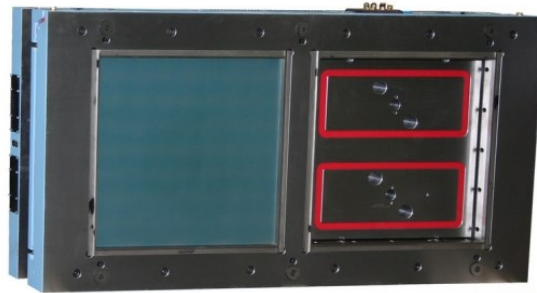
Punches and other equipment and accessories



For more intricate and specialized items, we collaborate with ROSSI F.LLI Trading S.r.l., an undisputed Italian leader in the industry since 1900. Their expertise and heritage make them the ideal partner to deliver molds and dies of exceptional craftsmanship and complexity.

By offering a diverse selection of molds and dies from reputable Chinese manufacturers and the esteemed Italian company ROSSI F.LLI Trading S.r.l., we strive to meet all our customer's unique demands with top-tier solutions.

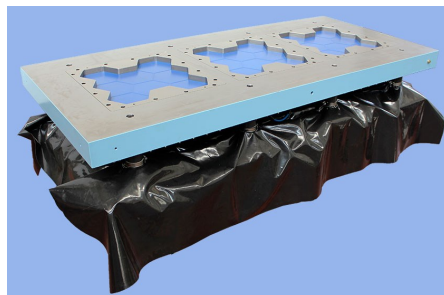
Molds and Dies



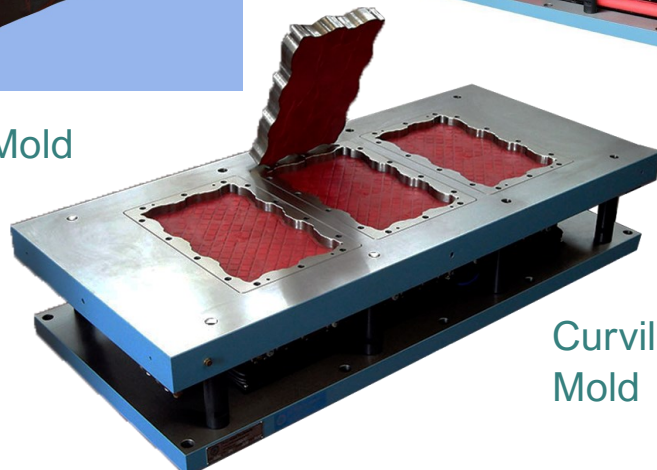
SFS Mold



Entry Mold



Pentagon Mold



Curvilinear Mold

Aurora specializes in offering high quality belts with a width ranging up to 4 meters, catering to various industries and applications. Our comprehensive range includes PVC polishing conveyor belts, PVC/PU/PE conveyor belts, transmission belts, and high-precision timing belts, all meticulously crafted to meet our customers' specific requirements.

We take pride in the quality and innovation of our products, and as a testament to our commitment, all our belts have obtained multiple certifications. These certifications include patents related to conveyor belts, FDA certificate, EU certificate, and others, highlighting our dedication to providing belts that meet the highest standards of safety, performance, and regulatory compliance.



Conveyor Belts:

Aurora offers a diverse range of conveyor belts with various patterns to meet a wide array of industrial needs. Our comprehensive selection includes PU, PVC, PVK, and Felt Belts, each tailored for different applications and manufactured to meet FDA and EU certification standards.

Our belts are available in both smooth and patterned designs, providing versatility to suit specific application requirements.



Other Belts:

All types of Timing, PV, and PU belts for all types of applications.

Plants, Equipment & other Services



Aurora offers plants and equipment for the ceramic tiles, porcelain tiles and sanitary ware manufacturing sectors among others.

The range of products includes:

- Waste Water Treatment Plants
- Sludge Treatment Plants
- Filter Presses
- Showroom, Exhibition, Merchandising and Marketing Designs
- Tile Designs, Textures and Finishes



Waste Water & Sludge Treatment

Aurora has partnered with COGEDE to offer complete wastewater and sludge treatment solution for the Ceramic Industry. The Ceramics Industry use & consume large amount of water in its productions in the processes like Polishing, Glazing, Molds washing, Ball Mill preparation etc. The wastewater or mud coming out from these ceramic processes contains mainly fine particles (clay minerals such as kaolinite, mica, silt etc.), some coarse particles and chemicals including suspended & dissolved heavy metals like zinc & lead.

Efficient disposal of this wastewater or mud has become more & more important for the ceramic industries due to the increasing cost of its disposal and stringent environment regulations being implemented globally.

Cogede is serving to the demand of this industry by design, manufacture & supply of Wastewater treatment plant for Ceramic tiles & related industries for many years. Cogede Wastewater treatment plants applies Thickening & Filtration technology which are highly reliable, compact & easy to operate.





Aurora has partnered with ECO Design to offer complete solutions for showrooms, exhibition, merchandizing and marketing material

ECO DESIGN has been producing display systems, showroom furniture and exhibition booths for over 25 years availing itself of the multi-year experience gained by the Founders who invested their know-how to develop an organization able to offer the right products to exhibit and sell ceramic tiles, marble & stone, wooden floors, sanitaryware and other materials.

The Company has two production plants in Sassuolo's Ceramic District (Modena, Italia) for metal and wood items, from the single display-units to the big structures to build booths.

The Team includes Architects, Designer, Engineers, all working in synergy to study, develop and test every product; it also cooperate with consultants having different competences to guarantee the maximum professionalism, high technical knowledge and complete services.

Showroom Furniture and Merchandizing material





Designs, Finishes, and Textures

Aurora has partnered with Digital Design to provide comprehensive solutions for design development, textures, finishes, and all aspects required for new product development.

DD was established in 2011, marking the year when the beauty of art, the craftsmanship of artisans, and the innovation of technology converged for the first time. This convergence, facilitated by the revolution in graphic design and digital printing, brought about a radical transformation in the ceramic industry.

Since then, DD has adopted a new perspective and embraced an unprecedented philosophy. Our dedicated efforts are focused on achieving novel artistic expressions, where the consistency of materials harmoniously merges with digital graphic lines, resulting in exquisite design decorations that can be applied to any ceramic surface.

We approach our work with the same level of meticulousness as artisans, creating new artistic expressions akin to artists, while also maintaining an observer's mindset. Extensive research is an integral part of our work, as we constantly seek new styles and design trends to remain current or even ahead of the curve. Our goal is to showcase every innovation within our field to our customers while assisting them in bringing their own creative ideas to life.



Energy Saving Solutions



Aurora offers Solar power generation and electrical efficiency improvement systems for all applications and within different sectors :

- Industrial
- Residential compounds
- Schools, Universities, and Hospitals
- Hotels and resorts
- Etc.



Electrical Efficiency Improvements

Aurora excels in providing a wide range of services, including Designing, Building, Operating, and Maintaining solar power plants, ensuring efficient and sustainable energy solutions.



Furthermore, we offer cutting-edge industrial lighting solutions to significantly reduce energy consumption.



As a comprehensive solar power alternative provider, Aurora offers full EPC (Engineering, Procurement, Contracting) contracts, ensuring seamless integration of services to meet our clients' diverse needs and achieve their renewable energy goals.





Electrical efficiency Improvements

At [Aurora](#), we are dedicated to the pursuit of pioneering solutions aimed at significantly reducing electricity consumption within factories. With a profound commitment to sustainability and innovation, we have positioned ourselves as industry leaders in the field of energy efficiency.



Furthermore, our expertise extends beyond energy conservation. We take great pride in offering comprehensive services in power transformation, catering to the unique needs of each client. Our cutting-edge solutions ensure seamless power distribution through state-of-the-art main distribution panels and networks, guaranteeing optimal performance and reliability.



By seamlessly integrating our advanced technologies with your factory's infrastructure, we empower you to make tangible strides towards a greener, more efficient future. As we forge ahead with our mission, we remain resolute in our determination to provide unparalleled service and support, tailored to your specific requirements.

Join us in the pursuit of a sustainable tomorrow, where reduced electricity consumption and streamlined power distribution lead the way to a brighter, more eco-conscious industrial landscape.



Aurora Finishings FZ-LLC

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