



gizemfrit



PERFORMANCE
COATINGS

Akkim



The Akkim logo features the word "Akkim" in a white, sans-serif font. To the right of the text is a decorative graphic consisting of a grid of colored dots in shades of purple, pink, orange, and yellow.

Akkim

The AKKÖK logo consists of a solid light blue triangle pointing upwards, positioned above the word "AKKÖK" in a bold, white, sans-serif font.

AKKÖK



Ak-Kim - Aksa - DowAksa Chemical Port
YALOVA / TURKEY

TURKEY'S PIONEER CHEMICALS COMPANY

Turkey's leading and pioneer chemicals company Ak-Kim is established in Yalova and Çerkezköy on an area covering approximately 300 thousand square meters. Ak-Kim was established in 1977 to produce sulfur dioxide and in time became a major chemicals company exporting to more than 55 countries in 5 continents. Ak-Kim continuously strengthens its market standing with its wide product range and high quality production, in addition to its technical services and integrated solutions. In its state-of-the-art and high-tech production facilities it produces inorganic and organic chemicals; textile auxiliaries; paper and water treatment chemicals; cement and concrete additives and construction chemicals that gained acceptance in the international market.

Ak-Kim produces more than 500 different kinds of chemicals in its production facilities that have an annual production capacity of 600 thousand tons and is the first Turkish chemicals company that produced sodium metabisulphite, ammonium persulphate, potassium persulphate, dimethylacetamide, hydrogen peroxide, sodium percarbonate and many textile chemicals "with its own technology".



WE
INVEST
IN THE
FUTURE



AKKÖK
HOLDİNG

THE MAJOR POWER BEHIND AK-KİM, AKKÖK HOLDİNG

Established by the late Raif Dinçkök in 1952, Akkök Holding now incorporates 17 industrial and commercial companies, one of which is abroad and 18 manufacturing facilities in various industries. Keeping at the forefront of globalization, international competition and global economic integration, Akkök Holding focuses primarily on chemicals, energy and real estate.

Aksa accounts for 14% of the acrylic fiber production in the world and DowAksa has been a manufacturer of the strategically important carbon fiber since 2012. Akenerji is among Turkey's largest private energy producers in the country. Ak-Kim is a global player in the chemicals industry with more than 500 products in its portfolio and supplies turnkey projects globally. Akkök has a proven track record of excellence in the real estate business with Akmerkez and Akiş REIT aims to reinforce the Group's success in real estate.



CELEBRATING 35 YEARS OF EXCELLENCE BY CONTINUOUS TRUST AND INNOVATION

CORPORATE / Gizem Frit is a producer of performance coatings and pigments since 1979. The products which our company manufacture are being used for the decorative and protective purpose in coating of the materials such as metal sheet, stainless steel, aluminium, cast iron, ceramic tile, sanitaryware, porcelain, medical porcelain and glass. Additionally, these materials are being colorized by inorganic pigments which we manufacture.

Our company carries on its production in fully automatic state of art facilities utilizing up-to-date technology in Sakarya Industrial Zone. Gizem Frit is a leading company in the sectors it serves both in home and abroad, and it exports to approximately 50 countries in 5 different continents. It provides 24 hours after sale service through its technical staff to its customers in each geographical area in order to provide the best service.

R&D and quality control laboratory in our facility is equipped with cutting edge systems so as to reflect our leading position in the sector, and it has technical competence for testing

and analyzing all kinds of mineral and inorganic structures. Our laboratory has been put at all times at the disposal of both our customers and those sectorial and academic representatives who embrace the quality as life style. Beside this, our experienced technical staffs provide service to our customers 7 days and 24 hours.

Our company always gives priority to quality and customer satisfaction, and has been engaged in constant endeavour in order to maintain continuous development and to put on best quality products to market at proper price.

OUR POLICY / Gizem Frit's aims to maintain quality in its production and other operations within the framework of work security standards and environmental policies. To this end, the company has developed and implemented an Integrated Management System.

Without compromising on its competitive advantage and its position as a leading producer of performance coatings in Turkey and global markets, Gizem Frit is committed to the following principles:

» Continuously improving the efficiency of the Quality and Environment Management Systems through using the right personnel, the suitable technologies and the required financial resources

» Relentlessly improving the quality of our products and services in line with our customer's requests and expectations

» Becoming an organization, which attaches due importance to continuous training of it employees as well as to learning, developing, sharing and contributing

» Avoiding environmental pollution; using natural resources efficiency and effectively; producing recyclable raw materials and products

» Complying with all relevant laws and legislations as well as ISO 9001 Quality Management System and ISO 14001 Environment Management System standards in all our activities

» Achieving the confidence and satisfaction of our customers, suppliers, employees and the society via a multi-perspective communication

QUALITY ASSURANCE / Gizem Frit has been operating under ISO 9000 standards since 1993. The company was also awarded with ISO 14001 Environment Management System Certificate in 2005



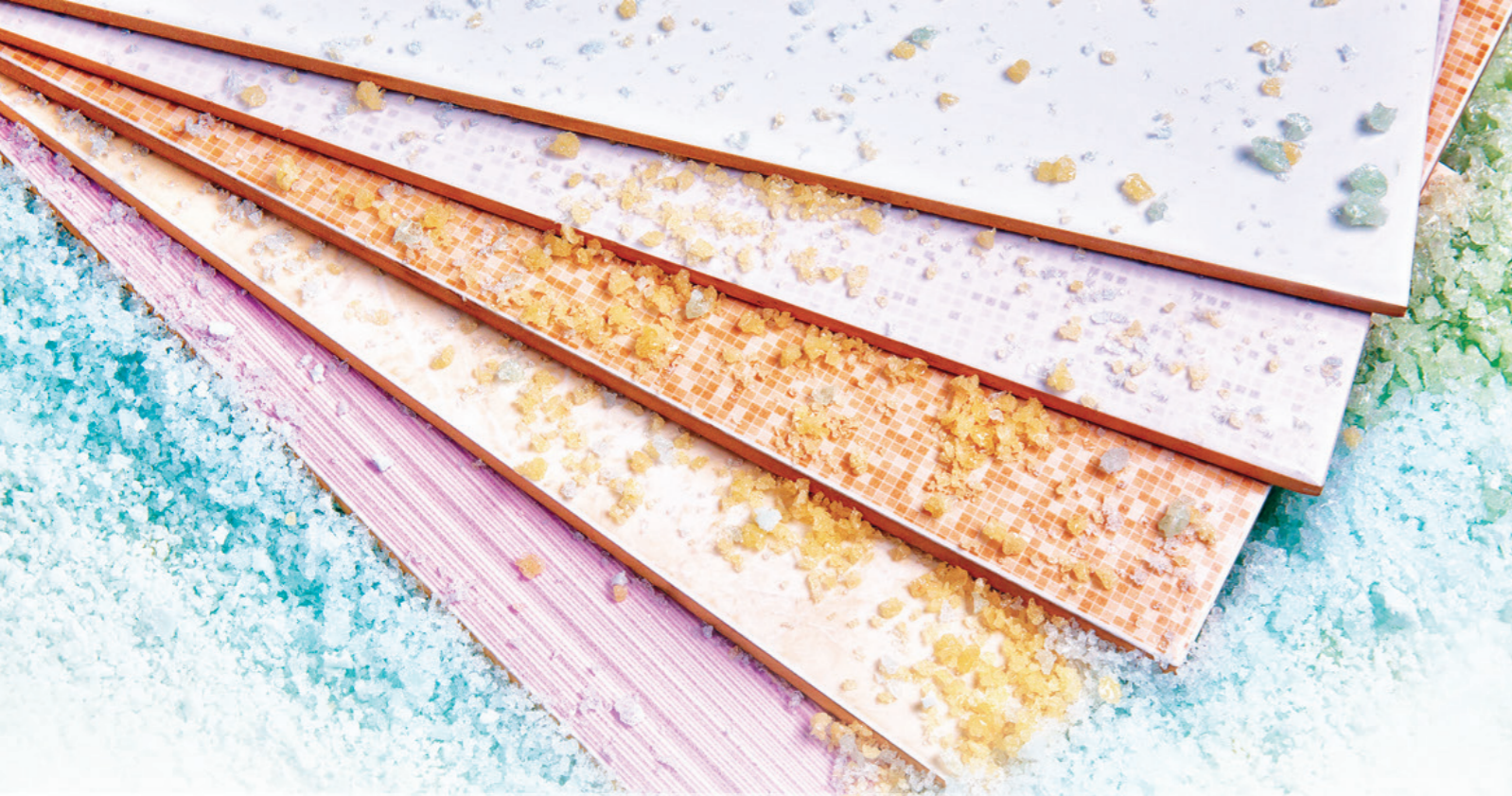
with its environmental awareness, maintains and improves the environmental quality by carrying out continuous reviews on all its operations, production lines and products.

As a management system Six Sigma is the way that leads to perfection. It increases profitability and growth by improving all corporate processes from production and finance to marketing and customer satisfaction.

In addition, Gizem Frit has been accredited by the Turkish Standards Institution and is annually inspected by the same institute.

The company also abides by the Restriction of Hazardous Substances (RoHS) Directive and REACH.





CERAMIC AND TABLEWARE COATINGS

ceramic frits product range



Frit, which is one of the most important strategic inputs directly impacting the quality and appeal of ceramic products, is an amorphous glass. As a semi-finished good, frit is the main part in glazes that are used to coat ceramic surfaces. Ceramic market requires frits with different technical properties in line with their field of use.

As a leading producer of enamel frits, Gizem Frit closely follows all innovations and developments in both local and global ceramic markets, and has fully modernized its infrastructure and equipments to keep pace with the ever-changing technologies. Thus, the company is steadily progressing to become an innovative and dynamic name in the ceramic frits market.

Gizem Frit's range of ceramic frits include fast single-double firing wall tiles, floor tiles, third firing (vetrosa) frits, tableware frits and stoneware frits.

We, as the Gizem Frit family are very happy and excited about having created a new ceramic frit brand for global markets.



Opaque, Transparent and Matte Frits for Fast Single-Double Firing Wall Tiles

Opaque, Transparent and Matte Frits for Floor and Glazed Porcelain Tiles

Opaque, Transparent and Matte Frits for Tunnel Kilns

Tableware, Stoneware Frits

High Thermal Expansion Frits

Frits for special applications and purposes



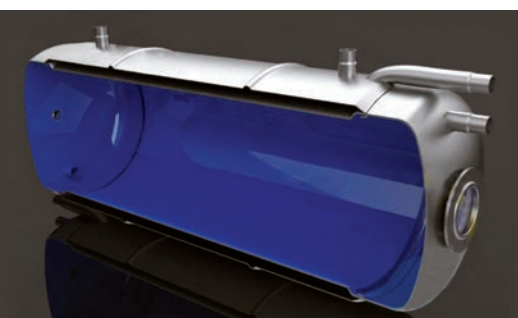


PORCELAIN ENAMEL COATINGS

Enamel is the coating of metal surfaces with fritted borosilicate glass containing aluminium oxide, titanium dioxide, zircon dioxide, phosphorus penta oxide and fluorine based on the features and field of use of elements such as sodium, potassium, lithium, barium, calcium, zinc, magnesium etc.

Gizem Frit is proud of being the strategic supplier for the leading white appliance firms worldwide. To support this, Gizem Frit continuously investing in new technologies, increasing its capacity and its production flexibility.

ELECTROSTATIC AND CONVENTIONAL FRITS



- » Ground Coat
- » Cover Coat
- » Super Opaque Frits
- » Semi Opaque Frits
- » Direct on Colours
- » Acid Resistant Frits
- » Alkaline Resistant Frits
- » Boiler & HWT Frits
- » Heat Exchanger Frits
- » Ni-free Frits
- » Transparent and Semi-Transparent Frits
- » Easy to Clean Frits (ETC)
- » Majolica Frits
- » 2 Coat 1 Fire Frits
- » Pyrolitic Frits
- » Self Cleaning Frits
- » Electrostatic Catalytic Powder
- » And many other electrostatic and conventional Frits including
- » Milling Additives

PORCELAIN ENAMEL BENEFITS

Porcelain enamel is the right solution for surfaces that require high performance.

- * Abrasion resistance
- * Acid resistance
- * Corrosion resistance
- * Colorfast
- * Flame proof
- * Sanitary finish

The glass properties of the porcelain enamel brings a smooth and glossy finish which will resist for long years. Porcelain enamel is strongly heat resistant.

RAPID CLEAN®

Rapid Clean® is an innovative coating developed by Gizem Frit R&D laboratory. It provides high level of easy and rapid cleaning properties to our customers.





GLASS COATINGS

Frits & Pastes



Glass coatings are used in many different sectors and applications, such as; home appliances, kitchen appliances, architectural glasses, automotive, scientific & technical glasses, decoration and arts etc.

Gizem Frit produces highly durable enamel frits and its improved color and appearance provide usage in the glass industry for temperatures from 550°C to 700°C.



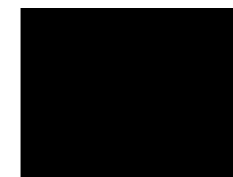
ALUMINIUM COATINGS

Aluminium enamel frits are widely used in cookware and bakeware sectors. It also finds usage in electrical home appliances, such as toasters, irons and ovens, which heat up to high temperatures which paint coatings cannot withstand.

As Gizem Frit, our dedication in R&D has enabled us to develop new frits using quality materials in compliance with international standards. Our, Aluminium Enamel Frits are available in many colors variety, which is totally hot water resistant and highly durable.

ALUMINIUM SCREEN PRINTING PASTES

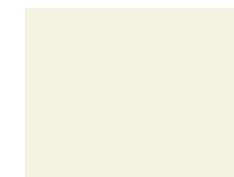
We believe that one of our Aluminium Screen Printing Pastes will meet your industrial requests. Its water soluble structure with limitless colors and effects supply friendly business environment for your applications. It does not contain any disturbing odour and during the use, flammable or combustible solvents are not needed.



GA 905



GA 301



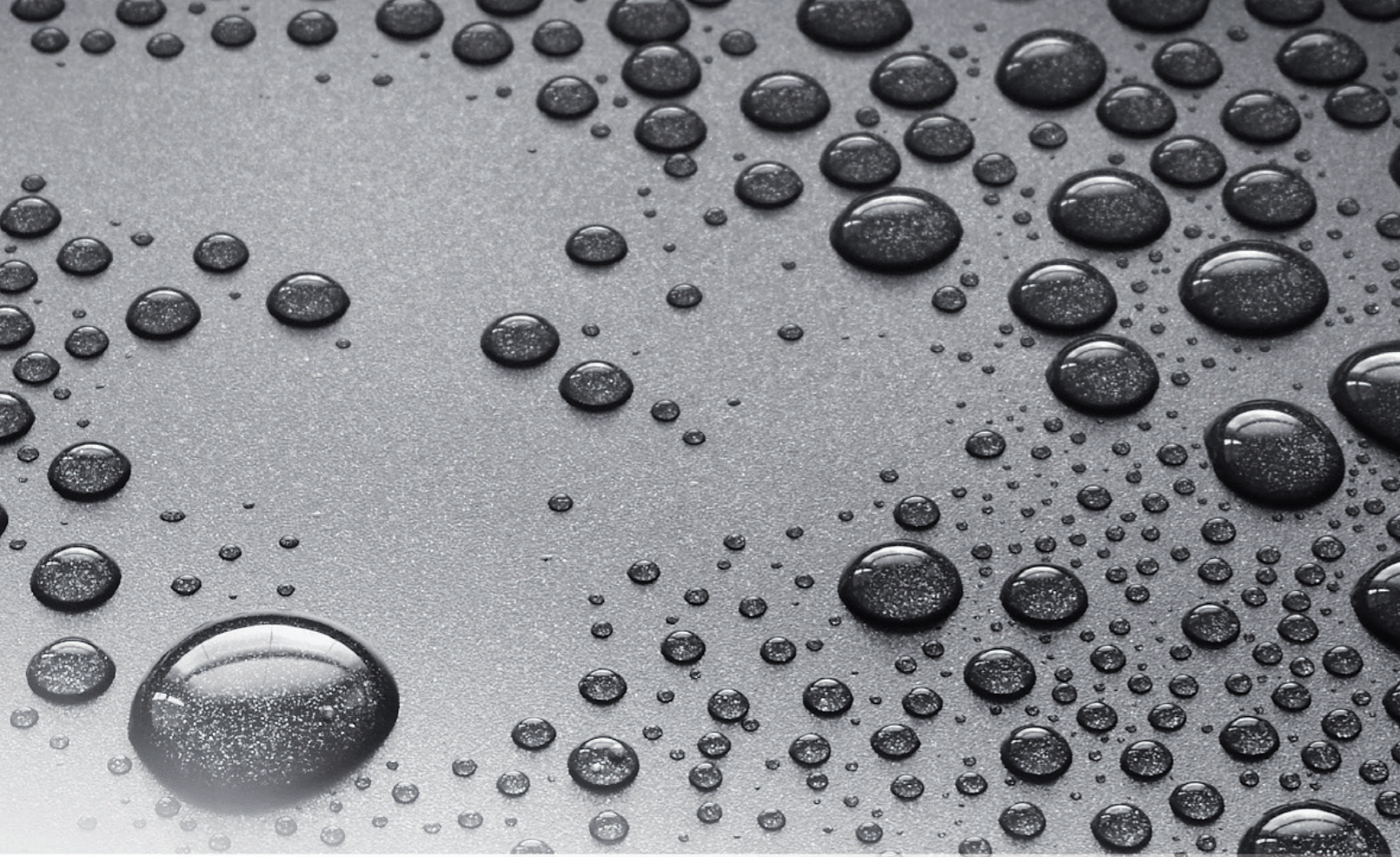
GA 956



GA 262



GA 101



NONSTICK SOLUTIONS

Gizem frit continues to strengthen his position as the leading international producer of custom engineered and value added coatings products.

Our nonstick and silicone coating solutions will meet your performance expectations with excellent cleanability, chemically resistant, flexible and advanced coverage.

We are happy to introduce our newly launched water based fluoro polymer and water soluble ceramic coatings to user of nonstick solutions.



PIGMENTS

				
M 405 RAL 5022	M 202 RAL 5021	M 272 RAL 5019	M 203 RAL 6004	M 207 RAL 5010
				
GR 607 RAL 7036	M 241 RAL 5005	M 219 RAL 6005	Y 252 RAL 6001	KR 301 RAL 3001
				
K 101 RAL 8016	K 103 RAL 8004	SA 531 RAL 1016	SA 15015 RAL 1032	SA 21021 RAL 1004
				
TR 400 RAL 2000	S 5486 RAL 9017	KR 3214 RAL 3005	SA 5201 RAL 1023	S 5470 RAL 9004



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Akkim

