

# CERAMIC AUXILIARIES

Product catalogue - SELECTION



**ZSCHIMMER & SCHWARZ**  
CERAMCO

**Zschimmer & Schwarz Ceramco**

# Products & solutions.

Formed in 1972, Ceramco produces and offers a broad range of auxiliary chemicals and solutions for the ceramic industry, as well as sanitary ware and table ware. Binders for grit and glazes, anticoagulants and fixing agents, biocides and sanitizers, thinner and leveling agents. Surfactants and temporary binder for ceramic body, suspension promoters and superficial protection products, CMC and screen printing vehicles. The product range, which widely covers every step of the production process, was enriched following Ceramco's entry into the Zschimmer & Schwarz Group (1993). A synergistic relationship resulted, one combining competencies and know-how.

The different product categories – which today also include medium for inkjet, glues and digital inks – respond to the technical and aesthetic demands of the industry sector, evolving and broadening to meet production needs and a technological scenario in continual transformation.

THIS CATALOGUE INCLUDES THE MOST REPRESENTATIVE ITEMS OF THE PRODUCT RANGE. WHILE THE LINE OFFERS MANY MORE PRODUCTS, THE CATALOGUE TAKES AN APPROACH BASED ON TAILOR-MADE SOLUTIONS.





# FLUIDIFYING AGENTS

This family of products works to decrease the viscosity of glazes and engobes' aqueous suspensions. Every product, according to its specific chemical category, can act on different rheological parameters such as flow limit, thixotropic properties, viscosity and rheological stability over the time.

PRODUCT	CHEMISTRY	APPEARANCE	APPLICATION	CHARACTERISTICS
<b>SANICER 810</b>	Synthetic polymer	Colourless or light yellow transparent liquid Water-soluble	Glazes	Fluidifying agent for glazes. It helps glazes application by reducing viscosity while maintaining density. Suitable for all glazes with high multivalent cations content.
<b>SANICER 820</b>	Sodium polyphosphate	White powder Water-soluble	Glazes and engobes	Fluidifying agent in solid form. It eases the milling process and subsequent high-density glaze application. Suitable for bell and waterfall systems. It avoids sedimentation phenomena.
<b>SANICER 645</b>	Sodium polyphosphate	White powder Water-soluble	Glazes and engobes	Fluidifying agent in solid form. It eases the milling process and subsequent high-density glaze application. Suitable for bell and waterfall systems. It avoids sedimentation phenomena.





# GLUE / BINDERS FOR GRITS

Products for wet and dry application of grit and microspheres through traditional glazing technology. The first Granicer development in 2009 allowed only the application of grit with airless and disc. It has been consistently expanded so as to cover today all kinds of glazing and décor applications.



PRODUCT	CHEMISTRY	APPEARANCE	APPLICATION	CHARACTERISTICS
<b>SANICER 674</b>	Water solution of organic synthetic resins	Opaque colourless liquid Water-soluble	Grits	Medium with suspension properties designed for the application of traditional and spherical grits. It allows a great versatility, especially for low-weight and low-density applications.
<b>SANICER 675</b>	Water solution of organic synthetic resins	Opaque colourless liquid Water-soluble	Grits	Highly concentrated vehicle for traditional grit. It can be applied via airless, double disc or bell systems.
<b>SANICER 673</b>	Ethylene oxide derivatives and organic polymers	Blue liquid Water-soluble	Grits	Binder for dry grit application. The use of special resins ensure all subsequent applications to be strongly binded at every stage of the industrial handling. It can be applied as it stands or diluted in water.



## SOLUTION PROVIDER



# CMC / BINDERS FOR GLAZES

Products available both in solid and liquid form to improve the performance of glazes and slurries. Depending on the chemical nature or formulation, these products can act on different parameters such as cohesion, levelling power and drying times.

Applications:

- ▶ Milling of glazes and engobes
- ▶ Final protection

PRODUCT	CHEMISTRY	APPEARANCE	APPLICATION	CHARACTERISTICS
<b>SANICER 653</b>	CMC	Yellow powder	Glazes and engobes	Purified CMC of medium viscosity, suitable for all uses. It provides for a better viscosifying and bonding power. It slows the drying time, improving the glaze application.
<b>SANICER 654</b>	CMC	Yellowish powder	Glazes and engobes	It provides the glaze for a bonding power. It slows the drying time, improving the glaze application and reduces the dustiness. It shows a slight viscous and suspending effect in the glaze suspensions.
<b>SANICER 655</b>	CMC	Yellow powder	Glazes	Medium viscosity purified CMC suitable for all uses. It confers viscosity power to the glaze.



# LEVELLING AGENTS ANTIFOAM

The products included here - depending on the formula or on the chemical nature can act as levelling agents, anti-foam or surfactants. They are designed to solve problems regarding excessive foaming or issues caused by water repellence or improper levelling of the glaze.

PRODUCT	CHEMISTRY	APPEARANCE	APPLICATION	CHARACTERISTICS
<b>SANICER 109</b>	Ethoxylate/propoxylate polymer	Colourless up to pale yellow colour viscous liquid Water-soluble	Glazes	Leveling agent for glaze, particularly suitable for bell, disc and waterfall systems. It is easily dispersible and is distinguished by a high and durable efficiency. High-performance product particularly when it is used in suspensions of grits and Granicer.
<b>SANICER 457</b>	Ethylene oxide derivative	Colourless up to light-yellow liquid Emulsifiable in water	Glazes	Surfactant and leveling agent for glazes applied on solvent-based inkjet decoration.

## SOLUTION PROVIDER

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