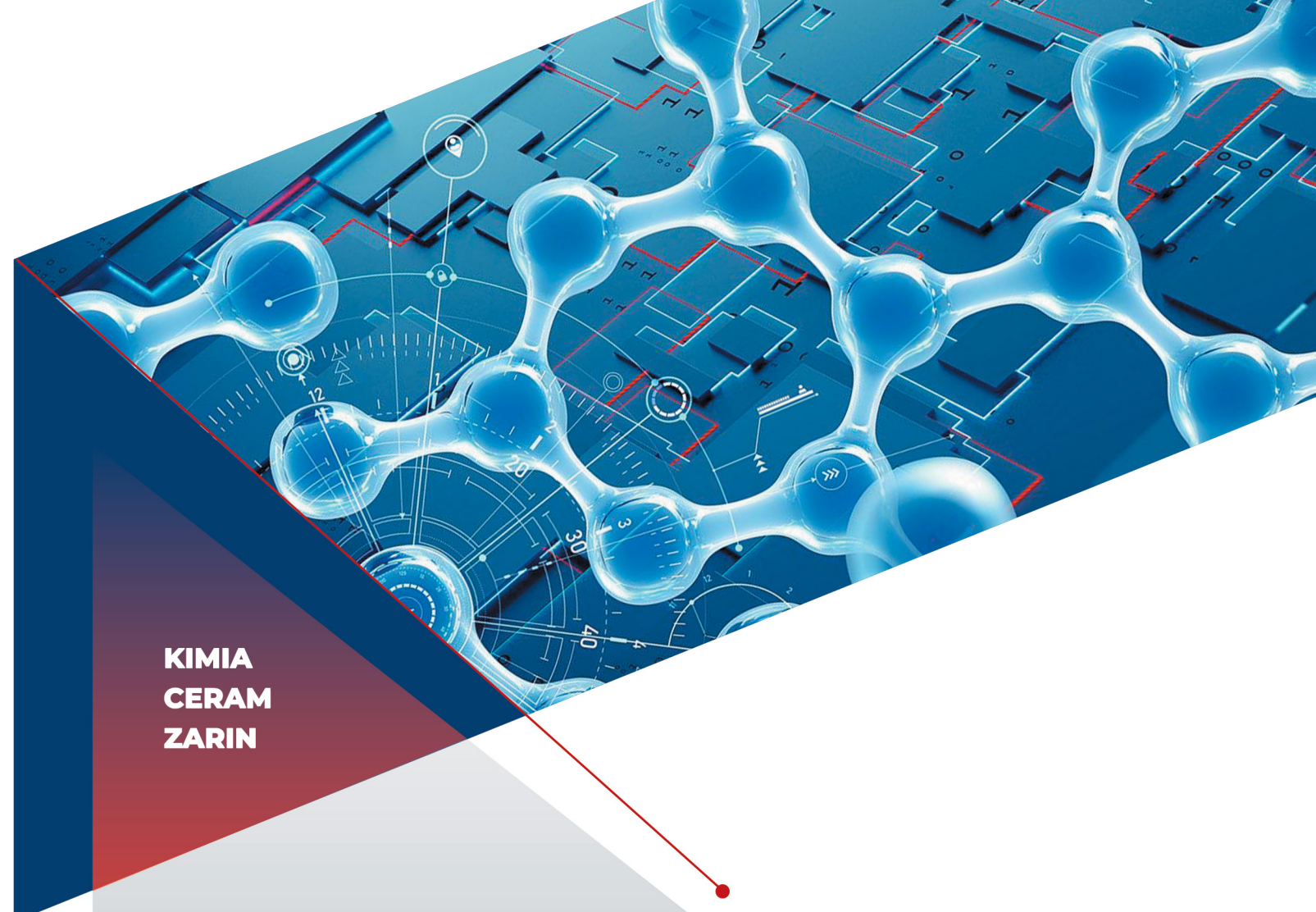




About Us

Kimia Ceram Zarin Co. is Iran's leading manufacturer of advanced ceramic additives, established in the 1990s. Using modern European machinery and state-of-the-art technology, we develop high-performance chemical solutions that enhance ceramic production processes. With an annual production capacity of 30,000 tons and a dedicated R&D team, we've significantly reduced reliance on imported additives while maintaining international quality standards.



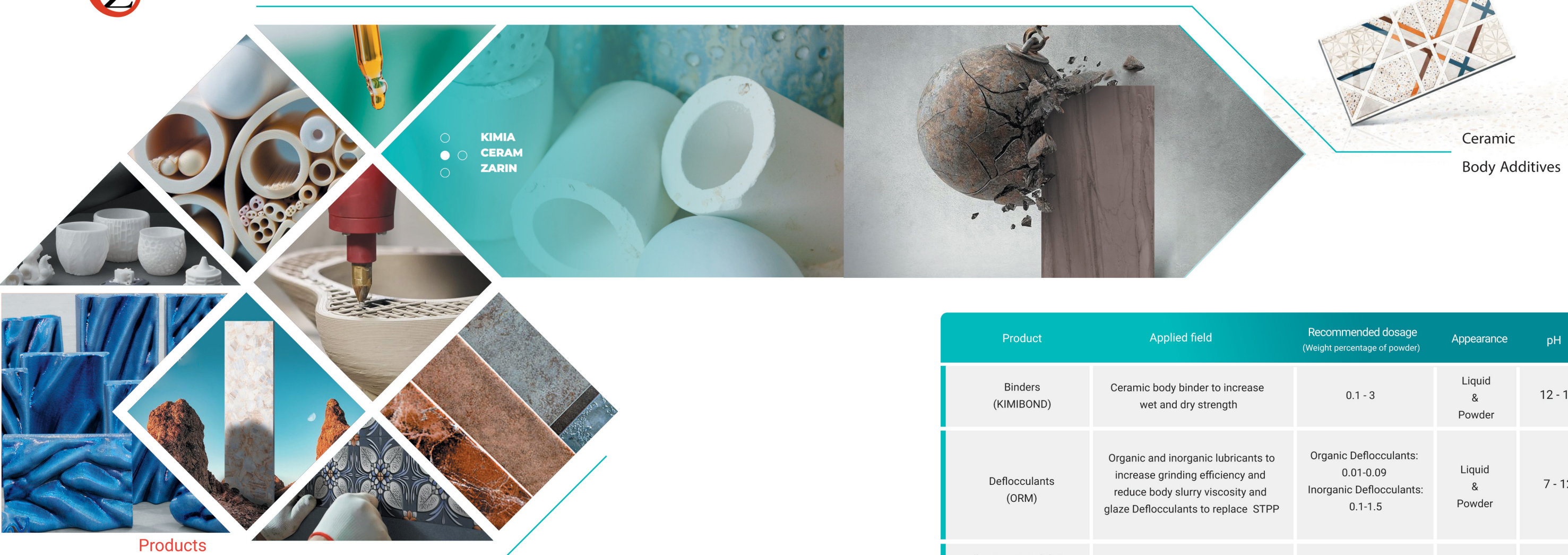
**KIMIA
CERAM
ZARIN**



KIMIA CERAM ZARIN

www.kimiaceram.com

Leading Manufacturer of Advanced
Chemical Additives for Ceramic Tiles,
Advanced Ceramics, Refractories,
Sanitary Porcelain, Tableware, and
Related Industries



Products

Ceramic Body Additives:

Binders & Plasticizers (KIMIBOND)

Our proprietary polymeric additives significantly increase the mechanical strength and plasticity of ceramic bodies.

Benefits include:

- Enhanced green and dry strength
- Improved rheological properties
- Reduced production defects
- Energy efficiency during firing
- Ability to produce large-format, thin ceramic pieces

Deflocculants (ORM)

Our organic and inorganic deflocculants optimize the fluidity of ceramic slips. Even in small doses, they:

- Control slurry rheology
- Reduce viscosity
- Improve flow properties
- Maintain proper density
- Prevent sedimentation
- Enable easier pumping and casting

Product	Applied field	Recommended dosage (Weight percentage of powder)	Appearance	pH
Binders (KIMIBOND)	Ceramic body binder to increase wet and dry strength	0.1 - 3	Liquid & Powder	12 - 13
Deflocculants (ORM)	Organic and inorganic lubricants to increase grinding efficiency and reduce body slurry viscosity and glaze Deflocculants to replace STPP	Organic Deflocculants: 0.01-0.09 Inorganic Deflocculants: 0.1-1.5	Liquid & Powder	7 - 12
Adhesives & Stabilizing Additives (KIMIFIX)	Types of adhesives for various ceramic industries	0.1-0.5	Powder	6 - 8
Rheology modifiers (RA)	Preventing sudden changes in the rheology of the glaze slurry	0.03-0.1	Powder	6
Glaze Additives (KIMIGLAZE)	Adjusting viscosity, rheological properties, preventing glaze cracking and cracking	0.1-0.5	Liquid	6 - 8
Printing & Stabilizers (KIMISSET)	Printing stabilizer on tile surface	50-100 (Mixed with Water)	Liquid	7 - 8
Antibacterials (KIMICIDE)	Antibacterial	0.05-0.2 (Liquid weight percentage)	Liquid	4 - 5
Printing Media (KIMIPRINT)	Printing oils for flat, rotocolor and liquid digital methods	————	Liquid	————



Printing Additives

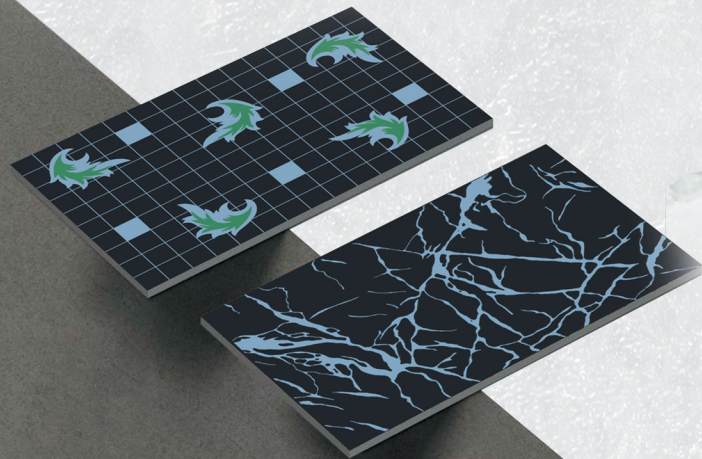
Printing Solutions



- ▶ **Sugar & Caramel Medium:**
Create textured decorative effects with well-suspended granules and controlled application.
- ▶ **Printing Fixative (KIMISET):**
Acts as an adhesive primer to prevent smearing or displacement of printed designs.



- ▶ **Rotocolor Printing Oil:**
Ensures pigment suspension and smooth transfer in rotary screen printing, delivering sharp, well-defined patterns.
- ▶ **Digital Printing Additive:**
Enhances ceramic ink performance in digital printing, ensuring proper droplet formation and vibrant colors.



Glaze Additives

Glaze Enhancement Solutions

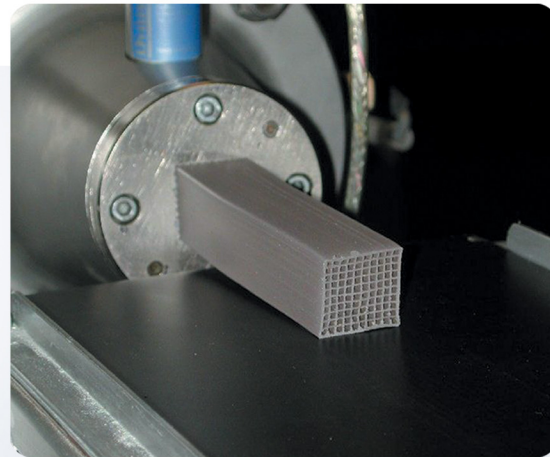
Our specialized glaze additives include:

- ▶ **Glaze Deflocculants:**
Prevent particle settling, increase slurry density, and reduce viscosity while offering a superior alternative to traditional STPP.
- ▶ **Binders & Adhesives (KIMIFIX):**
Improve adherence and integrity of glaze layers, preventing dusting, cracking, and pinhole formation.
- ▶ **Rheology Modifiers:**
Fine-tune viscosity, prevent issues like glaze flocculation, settling, or gelation.



○ **KIMIA**
 ● ○ **CERAM**
 ○ **ZARIN**

Kimia Ceram Zarin Co.
 (Knowledge-Based Company)



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Antibacterial Additives

Antibacterial Solutions (KIMICIDE)

Our specialized antibacterial additives maintain slurry and glaze quality during storage and production:

- Eliminates microorganisms in warm conditions
- Prevents bacterial proliferation
- Ensures mixture stability
- Keeps solutions odor-free
- Effective at low doses
- Does not interfere with chemical properties

Storage and Packaging

Storage Conditions:

- Store in sealed containers in cool, dry places
- Maintain moderate temperatures (below 25-30°C)
- Protect from frost and direct sunlight
- 6month shelf life under recommended conditions

Packaging Options:

- Liquids: 60/200-liter plastic drums or 1000-liter IBC tanks
- Powders: 25 kg plastic bags on pallets