

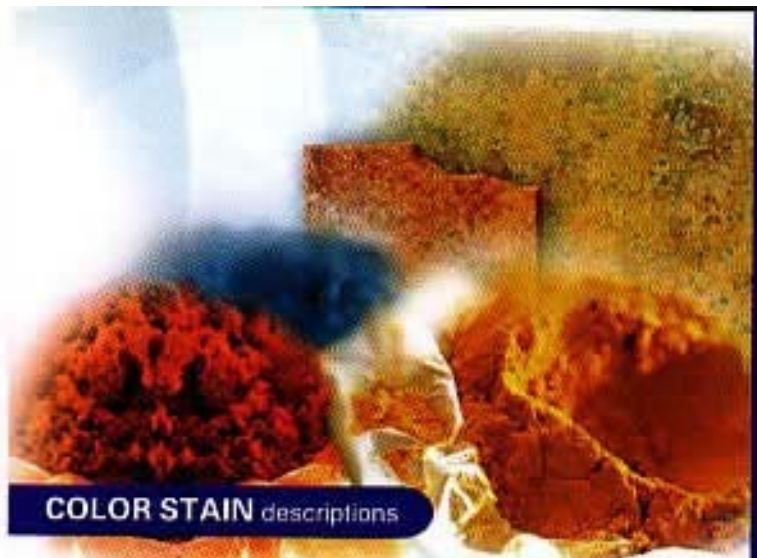


Printing glaze descriptions

Code	Suitable condition	Product type	Firing range
KD-0082	Wall tile & floor tile & Porcelain tile	Transparent and matt.	1130-1230°C
KD-0242	Floor tile & Porcelain tile	Opac and matt.	1150-1250°C
KD-0244	Floor tile	Transparent and matt, good for relief effect.	1130-1230°C
KD-0338	Floor tile & double firing tile	White and glossy.	1080-1160°C
KD-0371	Special high temperature printing glaze	White and matt.	1150-1200°C
KD-0379	Floor tile & porcelain tile	Transparent and matt, good for semi-polished.	1130-1230°C
KD-0172	Wall tile	Transparent and glossy.	1100-1200°C
KD-0194	Floor tile & porcelain tile	Transparent and matt.	1130-1230°C
KD-0062	Floor tile	Transparent and matt, good for anti-slip.	1120-1200°C
KD-0196	Wall tile	Semi-transparent and matt, good for sand glass effect.	1120-1180°C
KD-0354	Wall tile	Transparent and glossy, good for sinking effect.	1120-1160°C
KD-0343	Wall tile	good for luster effect	1120-1180°C
KD-7108	Floor tile & porcelain tile	Transparent and glossy, good for relief effect.	1140-1200°C

ENGOBE descriptions

Code	Temp. range	COE	Description
KI-0406	1120–1160°C	195	Single fast firing of small size wall tile engobe.
KI-0408	1120–1160°C	245	Single fast firing of big size wall tile engobe.
KI-0409	1060–1100°C	200	Double fast firing of wall tile for low temperature engobe.
KI-0416	1180–1230°C	235	This is designed for big size tile.
KI-0417	1180–1210°C	210	This is designed for small size tile.
KI-0418	1180–1230°C	230	Rustic tile engobe, is suitable for Bell and Disc application.



COLOR STAIN descriptions

Code	Color	Color board	Temp. range
GX-1008	PINK		1300°C
GX-1015	RED		1300°C
GX-1810	RED		1300°C
GX-2009	YELLOW		1300°C
GX-2011	YELLOW		1300°C
GX-2028	YELLOW		1300°C
GX-2035	BROWN		1300°C
GX-2037	BROWN		1300°C
GX-2072	BROWN		1300°C
GX-3001	PR-YELLOW		1300°C
GX-3005	PR-YELLOW		1300°C
GX-3008	PR-YELLOW		1300°C
GX-4009	GREEN		1300°C
GX-4030	GREEN		1300°C
GX-5008	TURQUOISE		1300°C
GX-5030	BLUE		1300°C
GX-5042	BLUE		1300°C
GX-5818	GRAY		1300°C
GX-6016	GRAY		1300°C
GX-6020	GRAY		1300°C
GX-7014	BLACK		1300°C
GX-7015	BLACK		1300°C

GLAZE descriptions

Code	Temp. range	COE	Description
KS-0528	1170–1230°C	215	It is a very smooth matt glaze with very wide firing range.
KS-0818	1180–1220°C	210	It is a very abrasive matt glaze good for rustic floor tile.
KS-0538	1140–1180°C	215	It is a matt glaze good for mid-temperature.
KS-0808	1180–1230°C	200	It is a very hard and transparent matt glaze used with granular effect.
KS-0706	1170–1210°C	210	It is a semi-opac, semi-glossy glaze for high temperature.
KS-0708	1120–1150°C	195	It is a very smooth matt glaze good for wall tile.
KS-0710	1120–1160°C	200	It is a very smooth white matt glaze with very wide firing range.
KS-0727	1120–1150°C	195	It is a transparent matt glaze good for wall tile firing.

GX series

GX series color stain, specially created for ceramic glaze. It can be used in rotary and flat printing. The particle size is good distribution and controlled below 25µm.

- **Intense coloration**

Thank to fine particle size distribution and stable crystal structures, it helps to achieve greater homogeneity in coloring and increasing color stability, which improve the intensity and definition of decoration.

- **Easy to use/ consistency and homogeneity.**

The GX series glaze stains are ready to be added directly to solute without milling long time.

- **Due to the fine particle distribution, it will prevent the blockage of screen during printing process.**

- **Fair price with high quality performance.**

FRIT descriptions




Code	Temp. range	COE	Description
GT-1047	1050-1100°C	190	Transparent and glossy frit, is suitable for double firing wall tile, also for single firing wall tile.
GT-1061	1110-1150°C	195	Transparent and glossy frit for monoporosa
GT-1076	1110-1150°C	195	Transparent and glossy frit, is suitable for single firing wall tile.
GT-1048	1140-1190°C	200	Transparent and glossy frit, is suitable for floor tile.
GO-0303	1120-1150°C	195	High glossy frit, is suitable for single wall tile glaze, special for big size tile.
GO-0286	1120-1160°C	185	Glossy and white frit, to be used in engobe to improve water mark problem.
GO-0287	1120-1160°C	315	High COE opac frit used in engobe, can improve bending problem for big size tile.
GM-0387	1120-1160°C	205	Opac matt frit

GRITS descriptions

Code	Temp. range	Description
GR-0351	1180-1200°C	Mixing transparent granular for a high temperature, wearability is good.
GR-1015		
GR-1001	1180-1200°C	Semi-transparent and mixing granular for high temperature, wearability is good.
GR-0396		
GR-0380	1180-1200°C	Glossy and black mica for high temperature.
GB-0205	1160-1200°C	Opac and matt mixing granular.
GR-0348	1160-1200°C	Matt and black granular with the size 0.2-0.5 mm
GR-0352	1120-1160°C	Glossy and Opac granular with size 0.2-0.5 mm
GR-0353	1120-1160°C	Opac and matt granular with the size 0.2-0.5mm

LEADER OF CERAMIC GLAZE

DRY COLOR GLAZE descriptions

Code	Color	Particle size	Color board	Temp. range
GC-1100	Red	P76		1160°C
GC-1101	Maroon	P76		1170°C
GC-1102	Red	P76		1180°C
GC-2100	Brown	P76		1160°C
GC-2101	Dark brown	P76		1170°C
GC-2102	Light brown	P76		1170°C
GC-2103	Orange	P76		1160°C
GC-3100	Pr-yellow	P76		1180°C
GC-3101	Pr-yellow	P76		1160°C
GC-4100	Green	P76		1180°C
GC-4101	Light green	P76		1160°C
GC-5100	Turquoise	P76		1180°C
GC-5101	Turquoise	P76		1170°C
GC-5102	Blue	P76		1180°C
GC-6100	Gray	P76		1170°C
GC-7100	Dark gray	P76		1180°C
GC-7101	Black	P76		1180°C
GC-8100	White	P76		1180°C
GC-8101	Transparent	P76		1180°C

METALLIC GLAZE descriptions

Code	Color	Temp. range
KL-0373	yellowish	1170-1200°C
KL-0374	brownish	1170-1200°C

KA-0528 Medium for silicon roll printing

KA-0528 is used in silicon roll printing medium that allows the preparation of pastes at high densities with low viscosities. So, the above mentioned properties with the low vapour pressure make it the ideal medium, specially for thick printing application.

PHYSICAL PROPERTIES:

Appearance	Viscous liquid
Water-solubility	Excellent
Density	1.1 ± 0.02(25°C)
PH	7-8 (25°C)
Viscosity	12 ± 1 S(Ford cup 4#,25°C)

DOSAGE:

(1)Universal printing

The ratio between glaze base and medium is from 100/100-100/160.

The viscosity of printing solution is advised between 17° ~ 25° measured by Ford cup 4#.

(2)Thick printing application

The ratio between glaze base and medium is from 100/80-100/120.

The viscosity of printing solution is advised between 20° - 35 ° measured by Ford cup 4#.

PACKAGING: 50 or 1000 KG/drum.

STORAGE:

It can be kept for one year if store in the condition of normal temperature and dry area without direct sunshine.

KA-0106 Fixer and adhesive

KA-0106 is an aqueous solution with high concentration of a film-forming organic matter, that is odourless and completely harmless. It easily dilutes with water and after having been applied on the glaze, it protects it by forming a surface film. It is used in the silk screen decoration on raw glaze for avoiding screen clogging by glaze powders, along the drawing colour. It is normally applied also in the silk screen printing with several colours, in the overlaying, but using more diluted solutions. The drying is quite fast. It can be accelerated by adding denatured alcohol, or by heating on the line by heaters.

PHYSICAL PROPERTIES:

Chemical base	Solution of organic polymers
Appearance	Viscous solution
PH sol.1%	6.5-7.5
Solubility	Water soluble
Density	1.04 ± 0.01

DOSAGE:

Suggested water dilution: KA 0106 Water: 1/8-10

The diluted product must be correctly applied by either spray gun or fine disk. It is advisable to position the spray gun at a height of 50-60 cm, vertically on the glazed tile passage line. Furthermore the solution must be sprayed homogeneously so that the whole surface dries evenly.

PACKAGING: 125 KG/drum.

STORAGE:

It can be kept for one year if store in the condition of normal temperature and dry area without direct sunshine.

KA-0203 Medium for screen printing

KA-0203 is a universal medium used in flat and roller screen printing of the single firing and double firing tile.

It is a water-solubility and high viscosity of fast dry medium, and it is dissolved with different printing bases, easy to mixed well and not cause agglomeration. Due to good smoothness, it can be suitable for all kinds of meshes, also be clean easily by water.

PHYSICAL PROPERTIES:

Chemical base	Propylene and ethylene oxide derivative
Appearance	White viscous liquid
Water-solubility	Excellent
Density	1.080 ± 0.02
Viscosity	3500cps

DOSAGE:

Universal printing

The ratio between glaze base and medium from 100/100 to 100/140;

PACKAGING: 50 or 1000 KG/drum.

STORAGE:

It can be kept for one year if store in the condition of normal temperature and dry area without direct sunshine.

KA-0541 Medium for silicon roll printing

KA-0541 is a universal medium used in silicon roll printing of the single firing and double firing tile.

It has a high density with low viscosity characteristic, very clear printing result in every kind of engraving, thank to the printing paste is easy to fill up and discharged from the carve hole of silicon roller. It is not easy to cause problem of agglomeration and delamination after milling the paste.

PHYSICAL PROPERTIES:

Appearance	a light brown liquid
Dissolution	excellent
Density	1.15 ± 0.02(25°C)
PH	8-8 (25°C)
Medium viscosity	13 ± 1* (Ford cup4#, 25°C)

DOSAGE:

(1)Universal printing

The ratio between glaze base and medium is from 100/110 to 100/130 measured by Ford cup 4#.

The viscosity of printing solution is advised between 15° -20° measured by Ford cup 4#.

(2)Thick printing application

The ratio between glaze base and medium is from 100/70 to 100/100 measured by Ford cup 4#.

The viscosity of printing solution is advised between 20° -35° measured by Ford cup 4#.

PACKAGING: 125 or 1000 KG/drum.

STORAGE:

It can be kept for one year if store in the condition of normal temperature and dry area without direct sunshine.