



30A

30A is a premium-grade opacifier specifically engineered to bridge the gap between synthetic zirconium and zirconium silicate. Its high whiteness ensures superior results that cannot be achieved with zirconium silicate alone.

Specifications

Chemical Analysis

ZrO ₂	30.41(%)
SiO ₂	12.44(%)
Al ₂ O ₃	52.57(%)
Fe ₂ O ₃	00.32(%)
CaO	00.17(%)
MgO	00.12(%)
K ₂ O	00.13(%)
TiO ₂	00.14(%)
Na ₂ O	01.39(%)
LOI	01.09(%)

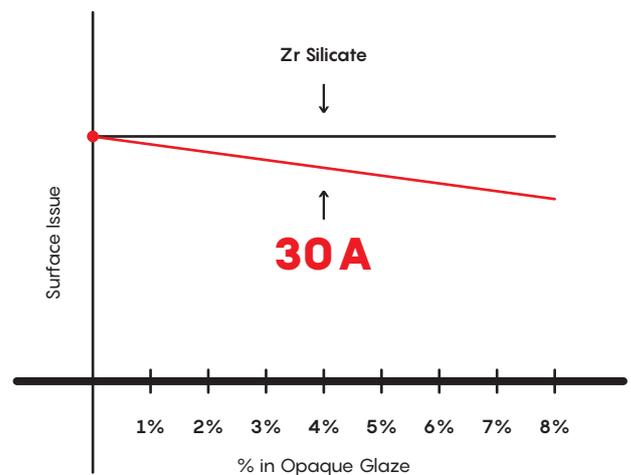
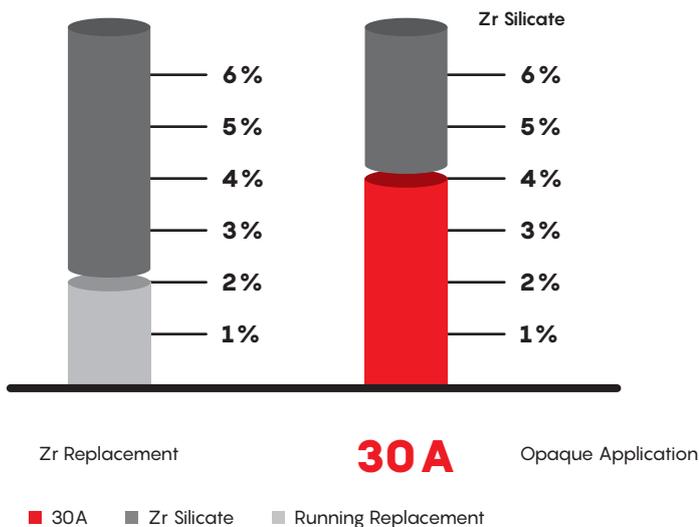
Physical Property

W*	80.00
L*	92.50
a*	00.15
b*	04.04

Zr +
Zr Replacement

→ 60% + 40% (Zr + Zr Replacement)
→ Can be used in high percentage to achieve 88 L value in opaque glaze

→ Ideal for high white opaque
→ Less Reactive



FOSHAN DRAGON CHEM CO. LTD. (HEAD OFFICE)

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25G, specially designed for optimum glaze application. Its exceptional stability ensures users achieve a high-quality, smooth, and flawless surface every time. Perfect for those who are looking for the best surface result.

Specifications

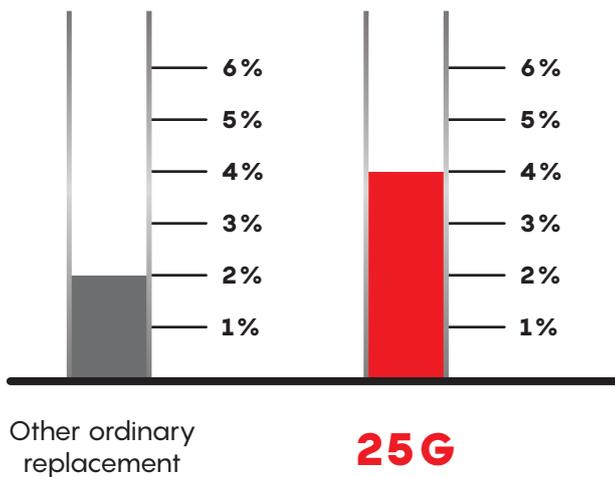
Chemical Analysis

Loss (1025°C)	01.53(%)
Al ₂ O ₃	48.15(%)
SiO ₂	22.12(%)
Fe ₂ O ₃	00.49(%)
CaO	00.25(%)
MgO	00.42(%)
K ₂ O	00.20(%)
Na ₂ O	01.82(%)
TiO ₂	00.30(%)
Zr(Hf)O ₂	25.15(%)

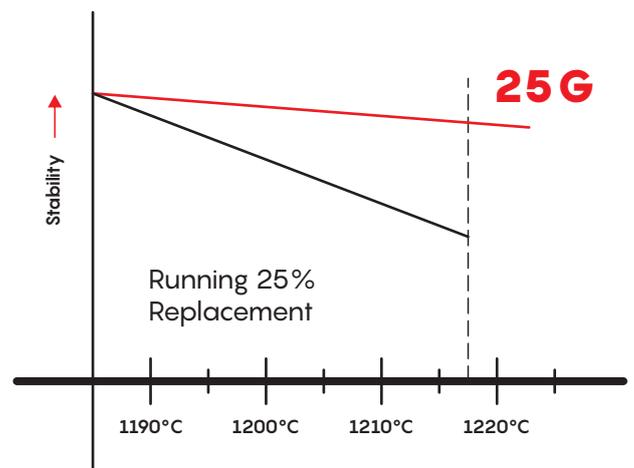
Physical Property

W*	75.00 ±01.00
L*	90.50 ±00.50
a*	01.05 ±00.50
b*	06.02 ±00.50

Designed for maximum usage



More stable every with high temperature or fast firing cycle



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K-11

K-11 is a premium-grade potassium feldspar, valued for its smooth, glassy texture. Its exceptional quality makes it essential for specialized uses, especially in modern ceramic glazes. Potash feldspar plays a vital role in creating high-quality ceramic products.

Specifications

Chemical Analysis

Loss of Ignition	00.50 ±01.00(%)
SiO ₂	68.00 ±01.00(%)
Al ₂ O ₃	18.00 ±01.00(%)
Fe ₂ O ₃	00.05 ±00.02(%)
TiO ₂	NA
K ₂ O	11.00 ±00.50(%)
Na ₂ O	02.00 ±00.50(%)
CaO	00.25 ±00.05(%)
MgO	00.10 ±00.05(%)

Physical Property*

L - Value	86.40 ±00.50
A - Value	-00.47 ±00.50
B - Value	04.52 ±00.50
Shrinkage	13.50 ±00.50(%)
Whitness (ISO)	80.00 ±01.00(%)

Temp & Cycle

Temperature	1025°C
Cycle	60 min

N10



In **N10**, higher sodium content improves transparency, which is important in modern ceramics. The fast-firing cycle used in production today also makes it essential to use more sodium feldspar. This helps achieve the right balance of quality and efficiency during firing.

Specifications

Chemical Analysis

Loss of Ignition	0.6 ±0.1(%)
SiO ₂	69±1(%)
Al ₂ O ₃	18 ±1(%)
Fe ₂ O ₃	00.1 ±0.02(%)
TiO ₂	NA
K ₂ O	1.0 ±0.5(%)
Na ₂ O	10.5 ±0.5(%)
CaO	0.5 ±0.05(%)
MgO	0.1 ±0.05(%)

Physical Property*

L - Value	83.50 ±00.50
A - Value	-00.60 ±00.50
B - Value	05.00 ±00.50
Shrinkage	13.50(%)
Whitness (ISO)	78.00(%)

Temp & Cycle

Temperature	1025°C
Cycle	60 min

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Specifications

Chemical Analysis

SiO ₂	48.77(%)
Al ₂ O ₃	00.35(%)
Fe ₂ O ₃	00.14(%)
TiO ₂	Trace
CaO	45.70(%)
MgO	01.09(%)
Na ₂ O	00.39(%)
K ₂ O	00.03(%)
LOI	03.43(%)

Physical Property*

L - Value	96.50 ±00.50
A - Value	00.50 ±00.50
B - Value	03.50 ±00.50
Whitness (ISO)	85.00 ±01.00

Temp & Cycle

Temperature	1025°C
Cycle	60 min

- Less B value
- More whiteness
- Medium gloss

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Specifications

Chemical Analysis

Loss (1025°C)	02.25(%)
Al ₂ O ₃	02.05(%)
SiO ₂	51.50(%)
Fe ₂ O ₃	00.26(%)
CaO	44.30(%)
MgO	01.04(%)
K ₂ O	00.02(%)
Na ₂ O	<00.01(%)
TiO ₂	00.02(%)

Physical Property*

L - Value	94.50 ±00.50
A - Value	NIL
B - Value	06.50 ±00.50
Whitness (ISO)	80.00 ±01.00

Temp & Cycle

Temperature	1025°C
Cycle	60 min

- High transparency
- High contrast in colour
- Suitable for high gloss tiles

Specifications

Chemical Analysis

Loss (1025°C)	00.75(%)
Al ₂ O ₃	00.57(%)
SiO ₂	62.88(%)
Fe ₂ O ₃	00.20(%)
CaO	34.66(%)
MgO	00.49(%)
K ₂ O	00.12(%)
Na ₂ O	00.16(%)
TiO ₂	00.02(%)

Physical Property

Whiteness (1200°C x 30min, Blue Light)	87.00
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- Lowest LOI in segment
- Can be use more in body
- Highest whiteness in segment

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