MKRAM
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FELDSPAR PRODUCTS

Technical Data Sheets

New Facility Grades · Available Q1 2027

CERAMICS GLASS

Operations@mkram.me

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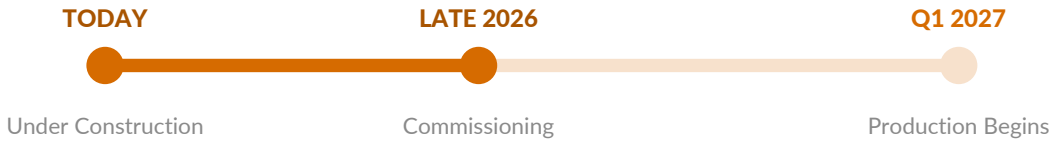
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NEW PRODUCTION FACILITY

Six new feldspar grades for ceramic and glass applications



MKRAM's new processing facility is currently under construction and is scheduled to commence production in Q1 2027. Data sheets for the six new grades follow. Advance enquiries and pre-qualification samples can be arranged on request.

New Products — Q1 2027

Product	Uses
Feldspar (UFPF-7T)	Ceramic Tiles | Porcelain Tiles | White Cement Filler
Feldspar (UFPF-6Z)	Glaze for Red Body Tiles
Feldspar (UFPF-9S)	Sanitary Ware | Insulators (Alkali Booster)
Feldspar (UFPF-9Z)	Tile & Sanitary Ware Glazes | Porcelain | Kitchenware | Frits | Glass
Feldspar (UFPF-7G)	Container Glass | Float Glass | Bottles
Feldspar (UFSF-6G)	Glass Production

TECHNICAL DATA SHEET

Product: Feldspar (UFPF-7T)

NEW FACILITY · AVAILABLE Q1 2027 | CERAMICS

Ceramic Grade

Uses: Ceramic Tiles | Porcelain Tiles | White Cement Filler

Chemical Analysis

Oxide	Percentage (%)	Tolerance (%)
K_2O	6.0	±0.05
Na_2O	3.9	±0.05
Fe_2O_3	0.20	±0.05
TiO_2	<0.08	
Al_2O_3	15.5	±0.5
SiO_2	71.8	±1.0
CaO	0.7	±0.2
MgO	<0.09	
P_2O_5	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report

Sl.NO.	Parameters		Specification
1	Particle Size		800 Micron - 4.5 mm
2	Moisture		<0.5%
3	Acid Test in 20% HCL		No Effervescence
4	Sample Firing Temperature Cycle Time		1220°C, 8 hours cycle in lab Muffle Furnace
5	Firing Results	L Value	69 - 73
		A Value	<5.0
		B Value	<6.0

Indicative fired colour (CIELAB, typical: L 71)

Values shown are typical. A certificate of analysis accompanies each shipment.

TECHNICAL DATA SHEET

Product: Feldspar (UFPF-6Z)

NEW FACILITY · AVAILABLE Q1 2027 | CERAMICS

Glaze Fine Grade

Uses: Glaze for Red Body Tiles

Chemical Analysis

Oxide	Percentage (%)	Tolerance (%)
K_2O	>4.0	
Na_2O	>3.5	
Fe_2O_3	0.4	±0.05
TiO_2	<0.08	
Al_2O_3	15.5	±1.5
SiO_2	75.2	±1.5
CaO	0.5	±0.2
MgO	<0.09	
P_2O_5	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report

Sl.NO.	Parameters		Specification
1	Particle Size		Below 150 Micron
2	Moisture		<0.5%
3	Acid Test in 20% HCL		No Effervescence
4	Sample Firing Temperature Cycle Time		1320°C, 8 hours cycle in lab Muffle Furnace
5	Firing Results	L Value	60 - 65
		A Value	<5.0
		B Value	<6.0

Indicative fired colour (CIELAB, typical: L 62.5)

Values shown are typical. A certificate of analysis accompanies each shipment.

TECHNICAL DATA SHEET

Product: Feldspar (UFPF-9S)

NEW FACILITY · AVAILABLE Q1 2027 | CERAMICS

Premium Grade A (Coarse)

Uses: Sanitary Ware | Insulators (Alkali Booster)

Chemical Analysis

Oxide	Percentage (%)	Tolerance (%)
K_2O	10.5	±0.05
Na_2O	2.8	±0.05
Fe_2O_3	0.1	±0.05
TiO_2	<0.08	
Al_2O_3	16.0	±0.5
SiO_2	69.0	±1.0
CaO	0.6	±0.2
MgO	<0.09	
P_2O_5	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report

Sl.NO.	Parameters		Specification
1	Particle Size		3 - 8 mm
2	Moisture		<0.5%
3	Acid Test in 20% HCL		No Effervescence
4	Sample Firing Temperature Cycle Time		1150°C, 8 hours cycle in lab Muffle Furnace
5	Firing Results	L Value	70 - 74
		A Value	3 - 4
		B Value	4 - 4.5

Indicative fired colour (CIELAB, typical: L 72)

Values shown are typical. A certificate of analysis accompanies each shipment.

TECHNICAL DATA SHEET

Product: Feldspar (UFPF-9Z)

NEW FACILITY · AVAILABLE Q1 2027 | CERAMICS

Premium Grade A (200 Mesh)

Uses: Tile & Sanitary Ware Glazes | Porcelain | Kitchenware | Frits | Glass

Chemical Analysis

Oxide	Percentage (%)	Tolerance (%)
K_2O	10.5	±0.05
Na_2O	2.8	±0.05
Fe_2O_3	0.1	±0.05
TiO_2	<0.08	
Al_2O_3	16.0	±0.5
SiO_2	69.0	±1.0
CaO	0.6	±0.2
MgO	<0.09	
P_2O_5	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report

Sl.NO.	Parameters		Specification
1	Particle Size		-200 Mesh (< 75 Micron)
2	Moisture		<0.5%
3	Acid Test in 20% HCL		No Effervescence
4	Sample Firing Temperature Cycle Time		1150°C, 8 hours cycle in lab Muffle Furnace
5	Firing Results	L Value	70 - 74
		A Value	3 - 4
		B Value	4 - 4.5

Indicative fired colour (CIELAB, typical: L 72)

Values shown are typical. A certificate of analysis accompanies each shipment.

TECHNICAL DATA SHEET

Product: Feldspar (UFPF-7G)

NEW FACILITY · AVAILABLE Q1 2027 | GLASS

Glass Grade

Uses: Container Glass | Float Glass | Bottles

Chemical Analysis

Oxide	Percentage (%)	Tolerance (%)
K_2O	5.8	±0.05
Na_2O	3.7	±0.05
Fe_2O_3	0.14	±0.05
TiO_2	<0.08	
Al_2O_3	16.0	±0.5
SiO_2	73.5	±1.0
CaO	0.5	±0.2
MgO	<0.09	
P_2O_5	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report

Sl.NO.	Parameters		Specification
1	Particle Size		150 - 800 Micron
2	Moisture		<0.5%
3	Acid Test in 20% HCL		No Effervescence
4	Sample Firing Temperature Cycle Time		1220°C, 8 hours cycle in lab Muffle Furnace
5	Firing Results	L Value	69 - 73
		A Value	<5.0
		B Value	<6.0

Indicative fired colour (CIELAB, typical: L 71)

Values shown are typical. A certificate of analysis accompanies each shipment.

TECHNICAL DATA SHEET

Product: Feldspar (UFSF-6G)

NEW FACILITY · AVAILABLE Q1 2027 | GLASS

Selspar

Uses: Glass Production

Chemical Analysis

Oxide	Percentage (%)	Tolerance (%)
K_2O	>3.0	
Na_2O	>3.5	
Fe_2O_3	0.2	±0.05
TiO_2	<0.08	
Al_2O_3	15.5	±0.5
SiO_2	76.5	±1.5
CaO	0.5	±0.2
MgO	<0.09	
P_2O_5	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report

Sl.NO.	Parameters		Specification
1	Particle Size		0.0 - 5.0 mm
2	Moisture		<0.5%
3	Acid Test in 20% HCL		No Effervescence
4	Sample Firing Temperature Cycle Time		1220°C, 8 hours cycle in lab Muffle Furnace
5	Firing Results	L Value	≤ 63
		A Value	<5.0
		B Value	<6.0

Indicative fired colour (CIELAB, typical: L 60)

Values shown are typical. A certificate of analysis accompanies each shipment.