

Features & Benefits

Vitroflux A is produced from carefully selected and concentrated petalite, which is a natural lithium aluminium silicate (α Li[AlSi₄O₁₀]).

The standardised quality of **Vitroflux A** is guaranteed by means of an ISO 9001 certified quality management plan. The raw materials and production are closely monitored to ensure a constant quality with regard to its chemical composition and grain size.

Vitroflux A is a lithium aluminium silicate. The strong fluxing properties of lithium make it possible to reduce the thermal expansion of glazes. Replacing soda in glass batches by **Vitroflux A** increases both the working range as well as the quality of the glass. Thermal shock resistant ceramic bodies can be produced because **Vitroflux A** reduces the thermal expansion.

Granulometric Data & Physical Characteristics

Mean values. These do not represent a specification.

		A 38	A 75	A 180	Method
+ 180 µm	%			3	Alpine air jet
+ 75 µm	%		3	25	Alpine air jet
+ 38 µm	%	3	25	50	Alpine air jet
Moisture	%	0.3	0.3	0.3	ISO 787/2
Density	g/cm ³	2.4	2.4	2.4	He-pyknometer
Loose apparent density	g/cm ³	0.75	0.85	1.0	ISO 787/11
Tapped apparent density	g/cm ³	1.15	1.25	1.40	ISO 787/11
Hardness	Mohs	6.0	6.0	6.0	Moh's scale

Chemical Analysis

Mean values. These do not represent a specification.

	Weight %	Method
Li ₂ O	4.2	XRF
Al ₂ O ₃	16.7	XRF
SiO ₂	76.8	XRF
Na ₂ O	0.5	XRF
K ₂ O	0.4	XRF
MgO	0.05	XRF
CaO	0.25	XRF
Fe ₂ O ₃	0.04	XRF
MnO	0.01	XRF
L.O.I..	1.0	1000 °C, 1 hour

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The technical data presented here is for marketing purposes only and is not contractually binding, the data herein is determined using standard test methods. Since the product is based upon a naturally occurring material, we reserve the right to change this data when necessary. Safety information accompanying this product is available in the form of an SDS. All sales are undertaken strictly in accordance with our "General Conditions of Sale", available upon request, or by a written sales agreement duly signed by us.

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