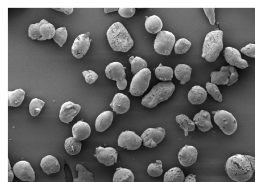


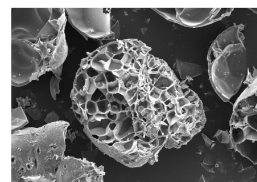
Technical Data Sheet

Verolith® 300 BU/300

Verolith® 450 BU/250



Verolith® 60 times enlarged



Inside view of a Verolith® hollow sphere

Characteristics

Application Mineral lightweight filler material for use in construction chemistry and paints, aggregate for reducing the weight of constructions, insulation

Properties

Properties

Advantages

Light

Microspheres in low bulk densities

Non-combustible

Improved compliance with fire protection requirements
Free from organic components

Closed-cell hollow microspheres

Compression-proof filler material

Pourable, free-flowing

Easy to apply

No hazardous ingredients

Easy application, no special occupational safety required*
*Verolith® has no organic or heavy-metal content

Mineral material

Environmentally friendly

Inert material

Non-water-soluble

Material description

Verolith® consists of pure mineral hollow microspheres with a closed-cell spherical structure.
Closed, compression-proof outer shell
Made in Germany

Technical data

Criterion	Standard	Verolith® 450 BU/250	Verolith® 300 BU/300	Unit
Granular size		0 - 250	0 - 300	µm
D50		130 - 165	150 - 180	µm
Top cut*		250	300	µm
Lower bulk density	EN 459-2	420	270	kg/m³
Upper bulk density	EN 459-2	480	340	kg/m³
Grain solidity	DIN EN 13055-1	> 3.9	> 1.9	N/mm²
Hexadecimal number**	Q001989***	~ 80	~ 110	g/100g
Water absorption	Q004904***	~ 11.0	~ 14.0	M. %
Moisture content	DIN EN ISO 787-2	~ 1.0	~ 1.0	M. %
pH value	DIN EN ISO 787-9	neutral	neutral	
Light reflectance value	DIN 53145	~ 57.5	~ 62.0	%
Melting point		~ 1000	~ 1000	°C
Thermal conductivity	DIN 12667	< 0.11	< 0.11	W/(m*K)
SiO ₂		~ 75	~ 75	%
Al ₂ O ₃		~ 13	~ 13	%
Fe ₂ O ₃		< 1.0	< 1.0	%
Na ₂ O		< 4.5	< 4.5	%
K ₂ O		< 6.0	< 6.0	%
CaO		< 1.0	< 1.0	%

* approx. 98% < top cut

** The hexadecimal number indicates the application rate of Calgon solution that must be added to 100 g of filler in order to create an adhesive putty-like mass for application that has just reached pour point.

*** Internal testing method

The characteristic values stated are average values or approximate values. Due to the raw materials used in our products, the stated values can vary slightly in the same delivery batch without adversely affecting the suitability of the product.

Delivery

Conditions	Ex works Verotec GmbH, Lauingen
Transport / packaging	Big bag / loose for silo transport (following prior consultation)
Customs tariff number	68062090

Storage / disposal

Storage conditions Store in dry conditions

Disposal Dispose of waste in accordance with the regulations of the local authorities
Dispose in dust-proof transport packaging
When deposited in landfill sites, the material does not release any water-soluble substances that could cause contamination of the ground water. The material does not decompose into harmful products over time.
Waste code in accordance with the German Technical Guidelines on Waste and the catalogue of the Federal Consortium on Waste (LAGA)
The disposal of clean packaging waste can be carried out by Zentek GmbH & Co. KG, contract number TVP-VdL-1311383.

Special information

The information or data in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Nevertheless, users are responsible for establishing the suitability of the product for its intended use.

Applications which are not specifically mentioned in this Technical Data Sheet are only permitted after prior consultation with Verotec GmbH.

Health

Material does not contain toxic substances*. There is no hazard or impairment to health based on the current state of knowledge (in accordance with ISO 14025 and EN 15804).

*see the Verolith® Safety Data Sheet

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All previously applicable Technical Data Sheets become invalid on publication of this Technical Data Sheet.

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Product name: Verolith® 300 BU 300
Verolith® 450 BU 250