

# TECHNICAL DATA AND PROPERTIES

## veriso Blähglasschotter Aqua Store

application area:  
Lightweight, load-bearing bulk material for application in water storage systems

Particle size distribution	EN 933-1	10 - 63	mm
Bulk density, dry <sup>(1)</sup>	EN 1097-3	238 - 262	kg/m <sup>3</sup>
max. water absorption at 12% compression <sup>(2)</sup>	Factory spec.	≤ 50	M %
Portion of aggregate spores in bulk material	Factory spec.	26 - 35	%portion/m <sup>3</sup>
Portion of aggregate spores at 12% compression	Factory spec.	15 - 22	%portion/m <sup>3</sup>
max. water saturation of the bulk material <sup>(2)</sup>	Factory spec.	~ 425	Liter/m <sup>3</sup>
max. water saturation at 12% compression <sup>(2)</sup>	Factory spec.	~ 385	Liter/m <sup>3</sup>
Water release after 2 days	Factory spec.	~ 60	%WA/m <sup>3</sup>
Water release after 8 days	Factory spec.	~ 85	%WA/m <sup>3</sup>
max. installation weight with water saturation of the bulk material <sup>(3)</sup>	Factory spec.	~ 375	kg/m <sup>3</sup>
max. installation weight with water saturation of the materials with 12% compression <sup>(3)</sup>	Factory spec.	~ 420	kg/m <sup>3</sup>
Water infiltration speed dependent on compression <sup>(4)</sup>	Factory spec.	≥ 0,005	m/s
Water permeability [k <sub>f</sub> ] after 12 % compression	EN 18130-1	≥ 0,001	m/s
Water - buoyancy dependent on compression and water saturation	Factory spec.	~ 2,7	kN
Unconfined compressive strength with transverse strain prevented, static load 10 % compression in the cylinder	EN 13055-1A	≥ 500	kPa
With cyclic loading <sup>(5)</sup>	Factory spec.	≤ 60	mm
Shear parameters for internal friction	Factory spec.	42 - 45	°
Cohesion (calculation value)	Factory spec.	0	kN/m <sup>2</sup>
Capillary water suction height	EN 1097-10	≤ 20	mm
Freeze-thaw-resistance	resistant when installed in accordance with the application		
Environmental sustainability	according to TL Gestein StB 04/23		

### The technical data and properties meet the requirements of:

Konformität zur DIN EN 13055-2 / 2004 · the manufacturer's WPK manual in its current version



When handling and processing veriso Blähglasschotter, the manufacturer's processing instructions and safety data sheet in their current version must be observed.

The manufacturer is responsible for changes to technical information, service descriptions and other relevant information without further notice if it is for the improvement of the product or the result achieved with the product.

(1) Proportion of moisture: ≤ 5 M%

(2) Water content [WA]: WA on and in the grain/ WA in the aggregate spores

(3) Without water content [WA] in the aggregate pores

(4) Modified application according to specifications from the manufacturer's WPK manual

(5) With selective cyclic loading (10kN/40kN) and 500.000 load cycles, installation height 0,5 m

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