

# Technical data and specifications veriso RED expanded glass aggregate

open-cell, foamed expanded glass aggregate

## Areas of application:

## Aqua- & Ground Store

A lightweight, load-bearing fill material for use in stabilising traffic routes on settlement-prone soils to absorb cyclic and dynamic loads, and as a system component – a water-retaining fill material – in storage and retention systems



## Features

<b>Material:</b>	Recycled glass
<b>Fire behaviour:</b>	A1
<b>Compressive strength:</b>	> 2
<b>Grain size (mm):</b>	10–50
<b>Bulk density (kg/m<sup>3</sup>):</b>	~ 380
<b>Type:</b>	Bulk density
<b>Dry bulk density (kg/m<sup>3</sup>):</b>	235–260
<b>Area of application:</b>	Water storage systems, road construction
<b>Frost resistance:</b>	In accordance with DIN 52104-1, Method G
<b>Environmental compatibility:</b>	in accordance with Specification for Aggregates StB 04/30



# Technical data and specifications

## 1. veriso expanded glass gravel RED - Aqua / Ground Store for system-based construction

### 1.1

Veriso Expanded Glass Gravel **RED – Aqua / Ground Store** for system-integrated construction. It holds CE marking to meet the requirements for use as a system stabiliser.

#### Notes on costing:

All costs and additional quantities resulting from the manufacturer's specifications and the processing plan must be included in the calculation (including the compaction factor). All materials required in accordance with the specifications must be included in the calculation. All machine costs resulting from the manufacturer's processing specifications must be included in the calculation.

#### Technical requirements:

The base/storage layer is compacted in the ratio of loose fill to the thickness of the finished layer:		<b>1.2:1</b>
Requirements for particle size distribution:	<b>in accordance with EN 933-1</b>	<b>10–50 mm</b>
Requirement for dry bulk density:	<b>EN 1097-3</b>	<b>235–260 kg/m<sup>3</sup></b>
Requirement for maximum water absorption in uncompacted fill:		<b>&gt; 100 M %</b>
Requirement for maximum installation weight when the material is saturated with water (in bulk)		<b>~ 380 kg/m<sup>3</sup></b>
Requirements for water infiltration rate		<b>≥ 0.005 m/s</b>
Dependent on compaction:		
Uniaxial compressive strength with restricted transverse deformation, static load at 10% compression in the cylinder	<b>DIN EN 826</b> <b>ISO 17892-5</b>	<b>≥ 900 kPa</b> <b>≥ 20 MPa</b>
Stiffness behaviour [ES] compression-dependent		

Delivery, transport and professional installation in accordance with the specified plans for the use of Veriso expanded glass gravel **RED – Aqua / Ground Store**, as per the plans.

#### Instructions for use:

Proof of proper execution is provided by means of a surface levelling survey of the fill height and the finished height, including compaction. This documentation forms part of the final inspection.

Fabric name/manufacturer: **veriso expanded glass gravel RED-Aqua / Ground Store**  
Delivered in bulk

Quantity: .....  
Unit: m<sup>3</sup>  
EP: .....  
GP: .....



## Technical data and specifications

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**The technical data and specifications comply with the requirements set out in:**

Compliance with DIN EN 13055-2 / 2004  
WPK Handbook, as amended

When handling and processing veriso RED expanded glass aggregate, the manufacturer's processing instructions and safety data sheet, as amended, must be followed.

The manufacturer reserves the right to amend technical specifications, performance descriptions and other information listed herein without further notice, provided that such amendments serve to improve the product or the results achieved with the product.



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