

Technical data and specifications veriso RED expanded glass aggregate

open-cell, foamed expanded glass aggregate

Areas of application:

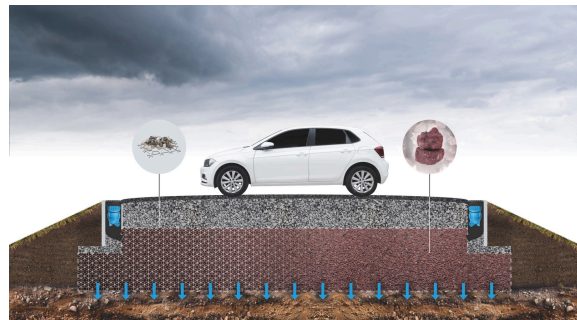
Aqua- & Ground Store

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

Aqua Store:



Ground Store:



Features

Material:	Recycled glass
Fire behaviour:	A1
Compressive strength (N/mm²):	> 2
Grain size (mm):	10–50
Bulk density (kg/m³):	~ 380
Type:	Bulk density
Dry bulk density (kg/m³):	235–260
Area of application:	Water storage systems, road construction
Frost resistance:	Specified in accordance with DIN 52104-1, Method G
Environmental compatibility:	In accordance with TL Gestein StB 04/23





Technical specifications and features

veriso RED expanded glass gravel – Aqua / Ground Store for system-specific design

The product meets the requirements for use in system stabilisation and bears the CE mark.

Calculation notes:

- 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:

Compaction of the base/storage layer is carried out in accordance with the ratio of loose fill to the thickness of the compacted layer:

1.2:1

Requirements for grain size distribution:

**nach EN 933-1
EN 1097-3**

**10–50 mm
235–260 kg/m³**

Requirements for dry bulk density:

Requirements for maximum water absorption in uncompact fill:

**> 100% by mass
~ 380 kg/m³**

Requirements for maximum installation weight at natural moisture content depending on compression:

≥ 0.005 m/s

Uniaxial compressive strength with restricted transverse deformation, static load at 10% compression in a cylinder

**DIN EN 826
ISO 17892-5**

**≥ 900 kPa
≥ 20 MPa**

Stiffness behaviour [Es] depending on compression

Supply, transport and professional installation in accordance with the design specifications for the use of veriso RED expanded glass gravel – Aqua / Ground Store.

Instructions for use:

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

Manufacturer, product description and scope of application: [veriso RED expanded glass gravel - Aqua / Ground Store](#)

Delivery in bulk

Quantity:

Unit: m³

EP:

GP:



Technical specifications and features



The technical data and properties comply with the requirements of:

Conformity with DIN EN 13055-2 / 2004
The WPK Handbook, in its current version

When handling and processing veriso RED expanded glass aggregate, the manufacturer's processing instructions and safety data sheet, in their current versions, must be followed.

The manufacturer reserves the right to amend technical specifications, performance descriptions and other information listed without further notice, provided this serves to improve the product or the results achieved with it.

