

HIGH PRECISION GROUT



VetogROUT GA516

Plasticized expanding grout admixture

Uses

- Admixture for cementitious grouts where a reduced water/cement ratio and positive expansion are required.
- Industrial applications where chemical resistance and rapid strength development are required.
- Applications include bed grouting, duct grouting, non-shrink infilling, and jointing.

Product Description

VetogROUT GA516 is supplied as a powder admixture. The material is a combination of a plasticizing agent and a gas-producing expansion medium. The plasticizing agent allows using a reduced water/cement ratio with consequent increased strengths and durability. The expansive medium counteracts the natural settlement and plastic shrinkage of the grout and aids stability and cohesion. Sufficient restrained expansion is developed to ensure a high degree of interfacial contact.

Advantages

- Gaseous expansion system compensates for plastic shrinkage and settlement in properly designed cementitious grout.
- Reduced water/cement ratio mixes in the grout mix ensure low permeability and long-term durability in service.
- It gives high grout fluidity with a low water/ cement ratio, making placement or injection of the grout easy.
- No metallic iron content to corrode and cause staining or deterioration due to rust expansion in the grout.
- Composition allows high early strength development in grouts without the use of chlorides.

Standards Compliance

- ASTM C494 type A, S

Technical Data

VetogROUT GA516	Typical Values
Expansion - ASTM 827	up to 4% - unrestrained
Expansion Time @ 20 °C (Minutes)	15 to 120
Cement Types	Compatible with all cement types except High Alumina Cement.
Setting Time	Insignificant Effect
Chloride Content (BS 5075)	Nil

Usage Instructions

Surface Preparation

All contact surfaces must be free from oil, grease, free-standing water, or any loosely adherent material. Cut back concrete surfaces to a sound base and remove all the dust. Blow bolt holes or fixing pockets to clean up any dirt or debris.

Mixing

For best results, use a mechanically powered grout mixer. For quantities up to 50kg, a slow-speed drill fitted with a high shear paddle is suitable. Larger quantities will require a high shear vane mixer. It is essential to provide machine mixing capacity and adequate labor to enable a continuous grouting operation. This may require the use of a holding tank with provision for gentle agitation to maintain fluidity. Measure the selected water content accurately in the mixer. Slowly add the cement (and sand if required) and VetogROUT GA516. Mix continuously for 5 minutes, making sure to obtain a smooth and even consistency.

Application

Ensure the areas to be grouted are clean, sound, and then pre-wetted. Keep the unrestrained surface area of the grout to a minimum. Place the grout within 20 minutes of mixing to gain the full benefit of the expansion process. Adopt usual placing or pumping procedures, ensuring a continuous operation.

Curing

Upon completing the grouting operation, any exposed areas that are not to be cut back should be thoroughly cured by water application, concur curing membrane, or wet hessian.

Cleaning

Remove grouts mixed with VetogROUT GA516 from tools and equipment with clean water immediately after use.

Limitations

VetogROUT GA516 is incompatible with High Alumina Cement.

Legal Disclaimer

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Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging & Coverage

Product	Pack Size	Consumption
VetogROUT GA516	400 gm Tins	400 gm / 50 kg Cement bag

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed container of VetogROUT GA516 has a shelf life of 12 months, provided it is stored clear of ground in a dry and shaded place.

Health & Safety

VetogROUT GA516 Contains resins that may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapor. Wear suitable protective clothing, gloves, and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a resin-removing cream, followed by soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

VetogROUT GS516 is non-flammable.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.

Saveto also provides various technical information such as CAD details, detailed method statements, specification clauses, application manuals, product selectors and technical support both in contractors and consultants offices as well as construction sites.