



VetogROUT GA516

Plasticised expanding grout admixture

Uses

- As an admixture for cementitious grouts where a reduced water/cement ratio and positive expansion is required. Industrial applications where chemical resistance and rapid strength development is 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 plasticising agent and a gas producing expansion medium. The plasticising agent allows the use of 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 ensures low permeability and long term durability in service.
- Gives high grout fluidity with low water/cement ratio, thus 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

- BS8110 part 1 : 1985

Technical Data

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

Usage Instructions

Surface Preparation

All contact surfaces must be free from oil, grease, free standing water or any loosely adherent material. Concrete surfaces should be cut back to a sound base. All dust must be removed and bolt holes or fixing pockets blown clean of any dirt or debris.

Mixing

For best results a mechanically powered grout mixer must be used. For quantities up to 50 kg a slow speed drill fitted with a high shear paddle is suitable. Larger quantities will require a high shear vane mixer. It is essential that machine mixing capacity and labour availability is adequate to enable the grouting operation to be carried out continuously. This may require the use of a holding tank with provision for gentle agitation to

maintain fluidity. The selected water content should be accurately measured into the mixer. Slowly add the cement (and sand if required) and VetogROUT GA516. Mix continuously for 5 minutes, making sure that a smooth even consistency is obtained.

Application

Areas to be grouted should be prepared to ensure substrates are clean, sound, and then pre-wetted. The unrestrained surface area of the grout must be kept 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

On completion of the grouting operation, any exposed areas which are not to be cut back should be thoroughly cured by means of water application, Concure curing membrane or wet hessian.

Cleaning

Grouts mixed with VetogROUT GA516 should be removed from tools and equipment with clean water immediately after use.

Limitations

VetogROUT GA516 is incompatible with High Alumina Cement.

Packaging & Coverage

Product	Pack Size	Consumption
VetogROUT GA516	225 g Tins	225 g / 50 kg of Cement

Shelf Life & Storage

Original sealed kits 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 which 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 divided into the following product groups:

- Concrete Repair, Grouts and Enhancement.
- Wall & Facade Systems.
- Flooring and Coating Systems.
- Sealants and Joints.
- Plasters & Renders.
- Putties & Finishes
- Tiling Systems
- Waterproofing.
- Primers & Ancillary Products.
- Specialty Products.

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.

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

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