

LEYCO[®]-GROUT HS

HIGH PERFORMANCE SHRINKAGE COMPENSATED GROUT

Product Description

LEYCO-GROUT HS is a high performance and high flow cementitious grout. It has dual shrinkage compensation, providing non shrink properties in both the plastic and hardened state.

Advantages

- High flow
- High early strength
- High 28 day strength
- Controlled expansion
- Shrinkage compensated
- Dimensionally stable
- Chloride free

Uses

Precision grouting of:

- Anchor bolts
- Base plates
- Crane rails
- Bridge bearings
- Columns
- Pre-cast elements

Specification Compliance

CRD-C621-82A

ASTM C 1107

Laboratory Test Data

Compressive Strength	24 hours	7 days	28 days
	40MPa	70MPa	90MPa
	Gap Depth	100mm Head	250 Head
	10mm	0.5m	1m
Flow distance	20mm	1m	1.5m
	30mm	2m	2.5m
	40mm	2.5m	3m

All above properties at a temperature of 20°C and a water/powder ratio of 0.15 to 0.16. Actual flow distance will be affected by surface preparation, temperature, water content, mixing time and the amount of head applied to the grout.

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Application Properties

Minimum grout depth	10mm
Water content	3.75 to 4 liters per bag
Maximum grout depth	150mm
Service temperature	-40C to +80C

Volatile Organic Content

VOC = 0 g/L

Packaging

25kg bags.

Yield

Approximately 12 liters of mixed grout per bag. Yield will vary with water content.

Shelf Life

12 months when stored between 5 and 30°C under shade in a dry environment.

Installation Guidelines

LEYCO provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Surface Preparation

Concrete substrates must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, dust, laitance or other contaminants. Steel surfaces should be free from rust, oil and grease.

Mixing

Mix small quantities one bag at a time using a slow speed (500rpm) drill and suitable mixing paddle.

Mix

large quantities using a high shear grout mixer. Add water first, then slowly add the powder into the water

while mixing. After adding all the water, mix for up to 5 minutes or until the powder has fully dispersed and the grout has a flowable or fluid consistency.

Grouting

Saturate porous substrates for at least 3 hours prior to pouring grout. Free water should be removed immediately prior to pouring. Pour the grout continuously and in such a way as to ensure no air is trapped. It may be necessary to provide relief holes, or run a chain or cable through the grout immediately after pouring. Formwork should be grout-tight and water tested prior to casting.

Curing

Once the grouting has been completed, all exposed areas of grout should be cured immediately.

Limitations

Do not mix using a drum mixer.

Do not use to grout aluminum objects.

Ensure mixed grout temperature does not exceed 30°C.

Avoid skin contact.

Do not discard into the water system.

Safety Instructions

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.leyde.com

Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years experience, we cannot accept any liability either directly or indirectly arising from the use of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

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