



TECHNICAL DATA SHEET

KEM NS GROUT

Non Shrink, Free Flow, High Strength Grout

DESCRIPTION:

KEM NS Grout is ready to use product in powder form, containing well graded aggregates, special hydraulic cement, and essential chemical additives, which requires only the on-site additional required water to produce a free flowing, non-shrink, high strength grout of predictable performance.

PRODUCT SPECIFICATION / COMPLIANCES:

Appearance	: Dark grey coloured powder
Bulk density	: 1.45 kg/ltr. approx.
Chloride	: Nil
Shelf life	: 6 months in the original un-opened packing.
Storage	: Keep it in a cool and dry place.

PRIMARY APPLICATIONS:

KEM NS Grout is formulated for use at adjustable plastic consistency, with very good initial flow-ability, high flow retention and rapid strength.

KEM NS Grout can be used for

- Concrete repairing
- Void filling between old and new concrete
- Floor patching
- Grouting anchors in concrete
- Filling tie-rod holes
- Grouting base plate and bolt pockets of various machines to the foundation

PRODUCT FEATURES:

- Easy to use – just add water & mix it on-site, the product is packed in controlled condition for consistency in quality.
- Free flowing – occupies the filled space permanently without shrinking, provides excellent bearing.
- High bond strength to steel and concrete
- Impermeable
- Non-metallic and chloride free – does not contain chlorides and metals, thus avoiding any corrosion in grouted foundation.
- Appearance and colour match with plane concrete.



KEM NS GROUT

Non Shrink Free Flow High Strength Grout

DOSAGE:

1.80 kg of KEM NS Grout yields 1 liter of fluid grout with water-powder ratio as 0.16. Mix the KEM NS Grout with water as per water-powder ratio to obtain a homogenous grout of desired plastic or pourable consistency. Place/pour the grout quickly in order to avoid loss of workability from one end of the pocket only and ensure that the air displaced is allowed to escape without leaving any voids. Under no circumstances do not re-temper the KEM NS Grout by later addition of water. Do not use vibrator for compaction. Cure it properly with wet-hessian or applying curing compounds.

Typical strength results

<u>Age</u>	<u>Compressive strength</u>
1 day	24.0 Mpa.
7 day	45.0 Mpa.
14 day	55.0 Mpa.
28 day	65.0 Mpa.

This data is typical and could vary marginally under site conditions.

TECHNICAL SERVICE:

Chembond has established itself in various fields on the basis of its dependable technical service. For this purpose, we maintain a well equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

SAFETY PRECAUTIONS:

KEM NS Grout is alkaline in nature. Prolonged contact with skin may cause some irritation. Care should be taken to avoid inhalation or ingestion of dust and prevent contact with the eyes.

Chembond Chemicals Limited

Chembond Centre, EL-71, MIDC,
Mahape, Navi Mumbai, India – 400 710,
Tel.: +91 22 66143 000 , Fax: +91 22 768 1294
website: www.chembondconschem.com
e-mail: sales@chembondconschem.com

Limitations of Liability: This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.