



Shear Key Grout

8/11(7)

Dry-mixed cementitious grout for joints of hollow core slabs.

PRODUCT

SHEAR KEY GROUT is a high quality dry premixed cementitious grout intended for filling of joints between hollow core slabs after installation. It is specially blended as replacement for conventional site-mixed materials.

TECHNICAL DATA AND PHYSICAL PROPERTIES

Colour	Grey
Binder	Portland Cement
Filler	Graded sand
Additives	Water soluble polymers to improve workability
Aggregate size	4.5 mm maximum
Water demand	Approx. 16% ~ 18% or 6.4 litre ~ 7.2 litre / 40 kg bag
Pot life	1 hour
Yield	Approx. 1,680 kg/m ³
Compressive strength	20MPa at 28-days

PROCEDURE

Mix 1 bag (40 kg) of SHEAR KEY GROUT with approximately 7.2 litres of clean water. For smaller quantity, use a power drill with whisk. For larger quantity, drum mixer is recommended. Alternatively, a mixer pump can be used. A suitable mixing time is 3 - 7 minutes depending on the type of mixing equipment. Use the mixture within 1 hour from mixing.

Any difference in level between hollow core slabs is first adjusted with suitable device. The bottom gap between hollow core slabs is then sealed by hand with grout mixed in dry pack consistency and leave to set. SHEAR KEY GROUT is then applied using a purpose-designed trolley with a discharge chute till 10 mm below the top of the hollow core slabs. Alternatively, the grout can be pumped into position. The grout is then compacted with a suitable vibrator. Finished level of the grout shall be approximately 10 - 20 mm below the top of the slabs.

Grouting must be carried out immediately after installation of hollow core slabs prior to placing of steel reinforcement for topping concrete.

PACKING AND STORAGE

SHEAR KEY GROUT is delivered in 40 kg bags. Storage life is 6 months if product is stored in a dry place.

HEALTH AND SAFETY

Refer to Material Safety Data Sheet of Product.

Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only.