

BUILDGROUT E-2

**Ready-to-use micro cement based non-shrink
 high strength injection grout**

DESCRIPTION : BUILDGROUT E-2 is a micro cement based non-shrink high strength injection grout with excellent pumpable / injectable quality for application on vertical, horizontal and overhead surfaces / areas.

USES : BUILDGROUT E-2 is an engineering grout. It helps to stabilize the structures by filling voids and consolidating the soil. It is extensively used in most critical and sensitive waterproofing areas by injecting through grout pump. It is also used for injection into cracks of structures. Anchor bolts could be grouted with BUILDGROUT E-2 with a high pullout strength.

FEATURES

- ❖ High fluidity – easy to inject / pump Engineering modern grout
- ❖ Micro cement based – high strength
- ❖ Non-shrink
- ❖ Absolutely water tight - no leakage of water
- ❖ Superb binding property of loose materials inside the structure. Sound consolidation
- ❖ Chloride free
- ❖ Anchor bolts in tunnel construction and ground/soil stabilization
- ❖ Crack injection

APPLICATION : Mix BUILDGROUT E-2 with water in the proportion of water powder ratio between 0.22 and 0.32 i.e. water 11 to 16 ltrs. per 50 kg. of BUILDGROUT E-2. Powder grout should be put/poured into water while mixing is carried out. Five minutes of mixing is required to attain a homogenous mix. To take full advantage of the fluidity, such mixed grout should be introduced into the structure within 20-30 minutes. If the grout is gelled and hard, it should be discarded and fresh fluid grout should be produced/used. Slow speed drilling machine (350 to 600 RPM) is suitable for mixing.

TECHNICAL DATA

Form	:	Grey powder
Bulk density kg/cm ³	:	1600
Mixed grout density kg/m ³	:	1800-1900
Chloride	:	Nil
Water:Powder ratio	:	0.22 to 0.32
Volumetric stabilization	:	+ 1.2
Working life of the fluid grout	:	Upto 30 minutes at 27 + 3°C
Typical compressive strength kg/cm ²		
1 day	:	300
3 days	:	500
7 days	:	600
28 days	:	750
Typical adhesive strength kg/cm ²		
1 day	:	50
3 days	:	80
7 days	:	120
28 days	:	150
Shear strength kg/cm ²	:	140
Shelf life	:	6 months in unopened bags
if kept in a dry place		
Packing	:	50 kg. HDPE bags
Health & Safety	:	Cementitious – highly alkaline