



MAXGROUT[®]

INJECTION

VERY FLUID INJECTION MORTAR FOR CONSOLIDATING AND FILLINGS OF CAVITIES

DESCRIPTION

MAXGROUT INJECTION is a fluid and single component cement-based mortar with very fine mineral fillers.

It is specially designed for applying by injection or grouting for filling of cavities in masonry walls and consolidating works.

APPLICATION FIELDS

- Masonry and brick wall consolidation.
- Historic building foundations and structures consolidation.
- Hollows and cavities filling in walls affected by raising capillarity damp, previous **MAXCLEAR INJECTION** application.
- Grouting of anchors and fixings.

ADVANTAGES

- It becomes structurally part of the substrate.
- Very fluid, with no segregation or bleeding.
- Very good resistant to soil salts.
- It is waterproof and water-resistant.
- Harmless and chloride-free. Does not corrode steel reinforcements and fixings.
- Only needs water for mixing.

APPLICATION INSTRUCTIONS

Hole preparation

For consolidating works in walls and structures, drill two horizontal lines separated from 0,5 and 1 m. The holes should be placed squarely and drilled in a downward direction at an angle of about 30° degree to horizontal with a recommended size diameter from 3 to 4 cm as well as separating with a uniform distance between them. The length must be about 5 cm shorter than wall thickness. Drillings should be carried out from one side of the wall, but both sides can be drilled if it is necessary, e.g. wall thickness up to 0,7 m. In that case, the length for the holes should be the half thickness of the wall.

In case of injecting **MAXGROUT INJECTION** for filling cavities before using **MAXCLEAR INJECTION** (Technical Bulletin n° 152), holes should be placed following **MAXCLEAR INJECTION** application instructions.

Substrate preparation

Use **MAXREST** (Technical Bulletin nº 4) to repair and fill all cracks and damages from the surface of the wall. Thoroughly dampen with water inside the hole until saturation and remove excess water before injection.

mixing and injection:

Pour water into a clean container and gradually add **MAXGROUT INJECTION**. One 20 kg. bag of **MAXGROUT INJECTION** requires from 6 to 6,8 litres of water ($32 \% \pm 2$ by mass of weight). Mixing is best done by mechanical means such as a slow speed mixing drill (400 - 600 rpm). Mix until a homogeneous -free of lumps- fluid mortar, is achieved. Avoid any segregation of the mortar due to an excess of water during mixing.. Mix the amount of **MAXGROUT INJECTION** that can be placed within 20 minutes.

Application can be done by grouting or by low pressure injection methods .

Begin the injection while inside the holes are still damp. Remix again the mixture to keep its workability if it is needed but do not add more water.. The injection should begin from the lower holes and with a maximum pressure recommended up to 3 ATM.

After **MAXGROUT INJECTION** sets, patch all holes with **MAXREST**

Application conditions

The temperature range for application is from 5 to 35 °C.

In winter, do not apply **MAXGROUT INJECTION** below 5 °C or if such temperatures are expected within 24 hours after the application. Do not apply the mortar on frozen or frosted surfaces.

Cleaning

All tools and equipments should be cleaned immediately with water after use. Once it hardens, can only be removed by mechanical means.

CONSUMPTION

One kg of **MAXGROUT INJECTION** fills approximately 0,75 litres.

The consumption for **MAXGROUT INJECTION** depends on the porosity of substrate A preliminary test on-site will determine consumption exactly.

IMPORTANT INDICATIONS

- Never use leftovers from previous mixes.
- Do not add cement, aggregates or any other compound to **MAXGROUT INJECTION**.
- For further information, consult our Technical Department.

PACKAGING

MAXGROUT INJECTION is supplied in 20 kg bags.

STORAGE

Twelve months in its original unopened packaging. It must be stored in a dry and covered place, protected from humidity and freezing, with temperatures above 5 °C.

SAFETY AND HEALTH

As all cementitious materials, **MAXGROUT INJECTION** is an abrasive product, and both rubber gloves and safety goggles must be used to prepare and apply the mixture. In case of eye contact, rinse thoroughly with abundant clean water, but do not rub. In case of skin contact, wash affected areas with soap and water. If irritations persist, seek medical attention.

For further information, Safety Data Sheet of **MAXGROUT INJECTION** is available by request.

Disposal of the product and its empty packaging must be made according to official regulations. Final user must make this disposal.

TECHNICAL DATA

Appearance and colour	Grey powder
Maximum particle size (microns)	80
Apparent density of powder (g/cm ³)	0,96 ± 0,050
Mixing water (water weight/product weight, %)	32 ± 2
Density for fresh mortar (g/cm ³)	1,98 ± 0,050
Pot life at 20°C (min)	20-30
Segregation of fresh mortar	None
Density for cured mortar (g/cm ³)	1,97 ± 0,050
Compressive strength at 28 days (Mpa)	48,5
Approximate consumption (kg/ litre of cavity)	0,750

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. DRIZORO reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product.



DRIZORO, S.A.

C/ Primavera 50-52 Parque Industrial Las Monjas
28850 TORREJON DE ARDOZ – MADRID (SPAIN)
Tel. 91 676 66 76 - 91 677 61 75 Fax. 91 675 78 13

e-mail: info@drizoro.com Web site: drizoro.com

Company certificated: ISO 9.001 & ISO 14.001

