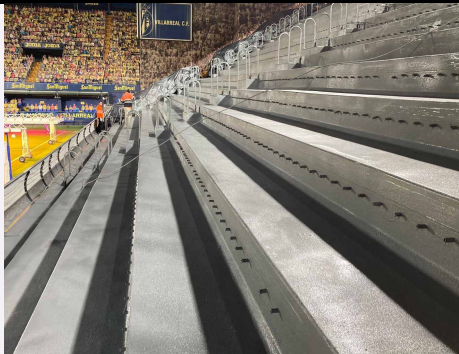


Grout Fluido 100/70/60

Expansive fluid mortar for anchors and backfills

Composed of high-strength cements, selected aggregates, special additives and fibre reinforcement.



Product

- Suitable for concrete screeds
- Injectable - pumpable
- Controlled shrink mortar
- Immediate high strength Fiber reinforced

Observations

- At low temperatures, water above 18°C should be used. In very hot weather, do not expose the material to the sun and use cold water for mixing.
- Do not add any additives to the mortar.
- Do not apply **Grout-fluid** on plasters or painted surfaces. Do not add water when the dough begins the setting process.
- Do not apply where water may remain stagnant.
- Once the Grout-fluid **has been poured**, it must be protected from the sun, wind, etc.

Features

- Dough life: 45 - 60 min. (20°C)
- Application thickness: 40 - 60 mm Open
- time: >30 min.
- Start of setting: 90 – 150 min.

**These times are contemplated at 20°C and may vary depending on the ambient temperature.*

Benefits

Kneading water (in the laboratory):

- GROUT 100: 10%
- GROUT 70: 9/10%
- GROUT 60: 8%
- Bulk Density Powder: 1.4 g/cm3 Mass
- Density: 1.7 g/cm3 Tensile Adhesion:
- ≥0.6 MPa

Compressive strength 28 days:

- GROUT 100: ≥95 N/mm2
- GROUT 70: ≥70 N/mm2
- GROUT 60: ≥60 N/mm2
- Chloride determination: ≤0.05%
- Modulus of elasticity in compression: ≥15 GPa
- Ice-de-icing with salt immersion: ≥5 Mpa
- Capillary absorption: ≤0.5 kg /(m2xh05) Fire
- behavior: A1 euroclass

** These results have been obtained under standard conditions and may vary depending on the installation.*

Applications

- Filling by pouring under support and distribution plates. Filling of rigid joints between conventional and precast concrete elements.
- Anchors of metal elements (reinforcement, bolts, machinery...), metal and concrete posts.
- Bridge and crane supports, by casting under plates.

Supports

- Based on cements such as concrete, concrete block, resistant mortars.
- Indoors and outdoors.

Recommendations

- Application temperatures 10 - 30°C.
- The percentage of water may vary depending on the mixer used. In areas where the iron of the armor appears, clean with sandblasting or with a metal brush, cover with **Ultimate** and allow to dry for 10 to 15 minutes.
- Do not apply **Grout-fluid** on smooth concrete substrates (before roughing and opening pore).
- Remove deteriorated concrete, with possible detachment until it reaches a solid support.
- For fillings greater than those indicated, add maximum grit (6-12mm.) in a 2 to 1 ratio of gravel.

GRANULOMETRIC ANALYSIS	
Sieve mesh span (mm.)	% Retained
8.25	0.0
8.0	0.0
7.0	15.0
8.0	30-0
5.0	30.0
4.0	23.0
3.0	1.0
1.0	1.0
< 0.063	0.1

CHEMICAL ANALYSIS (statistical values)	
Component	Percentage (%)
SiO2	99.47
Al2O3	0.291
Fe2O3	0.084
CaO	0.026
MgO	< 0.05
Na2O	< 0.05
K2O	0.038
TiO2	0.017
Cr2O3	< 0.01
CaCO3	< 0.10
SO3	0.01

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Expansive fluid mortar
for anchors and backfills

Execution conditions

The supports must be healthy, stable and resistant, free of dust, plaster, paint...

Remove deteriorated and degraded concrete, until you reach the solid, resistant and rough support.

Before applying the Grout-fluid, wet to saturation and apply when the surface is free of water.

In structural repairs and with the appearance of the reinforcement, In areas where the iron of the reinforcement appears, clean with sandblasting or with a metal brush, cover with **Ultimate** and allow to dry for 10 to 15 minutes. **Grout Fluido** is a chloride-free mortar with high mechanical resistance in the short and long term that has great fluidity and compensated shrinkage. Designed for the filling and anchoring of structural elements. Tested according to EN 1504-6. It is used for structural filling in buildings and filling of sheaths, anchors, joints or supports of beams in civil works. It can be used for fills between 10 and 250 mm without the addition of larger aggregates.

For greater thicknesses add GG aggregate, mixing ratio 2 parts of **fluid Grout** to 1 of aggregate allowing up to 2% extra water to be added during kneading to adjust the consistency. Other applications: creation of benches, fixing metal structure plates to concrete pavements, posts and metal support points of columns...

Avoid applying the filler at low temperatures, high humidity, rain... In the hours following the application of the mortar, the risk of efflorescence due to carbonation increases.

How to use

Machine-designed:

- GROUT 100: 10% clean water
- GROUT 70: 9/10% clean water
- GROUT 60: 8% clean water

Manual kneading:

Mix a 25kg bag with clean water until a homogeneous mass is obtained.

- GROUT 100: ±2.5 l. of clean water
- GROUT 70: 2 – 2.5 l. of clean water
- GROUT 60: ±2 clean water



**In areas where the armor iron spawns and clean and apply Ultimate.*

Associated Products

- Ultimate
- Pavigrout-R4/ R3/ R2

⚠ IMPORTANT

The observations and prescriptions in this technical sheet, even if they correspond to our best experience, must in any case be considered purely indicative, and must be tested by exhaustive practical applications; therefore, before using the product, whoever is going to do so must establish whether or not it is suitable for the intended use, and assumes all responsibility that may arise from its use. Once the product has been handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.



Presentation

25 Kg bag.
1200 Kg Pallet (48 bags)

Color

Grey

Consumption

±1.4 kg/m² and mm thick

Storage

In original closed packaging,
protected from the weather and