

GROUT S10

According to EN1504-6

Single-component mortar for anchoring and backfilling by simple pouring. **GROUT S10** is a preparation with a very high percentage of high-quality polymers.



Grey

MAIN FEATURES

- Uniformly transmits the stresses of the machine or structure to the foundation.
- Controlled retraction: it avoids undesired take-offs and the correct transmission of loads.
- It is self-levelling and does not show segregation.
- It develops very high mechanical resistance.
- It is waterproof and resistant to aggressive substances.
- Alkaline pH: protects the metal structure.
- Allows rapid commissioning.
- Withstands tensile, torsional or shear stresses.

FIELDS OF APPLICATION

- Ideal for filling under anchor plates.
- We achieve a **compression resistance = 54 N/mm²!!!**
- Filler product suitable for sealing the male-female gap resulting from assembling two adjacent pieces of **Rosa Gres S10 System**.
- It is the simplest and most economical solution for anchoring railings or posts in concrete, given its great adhesion to both the support and the iron of the railing.
- It can be used to seal non-moving and horizontal cracks in concrete or mortar.

HOW TO USE

SUPPORT PREPARATION

- The substrate must be clean, well set, free of oils and flaking.
- If the surface is very smooth, we will do it rough by sandblasting or similar.
- In hot weather, soak the concrete with water, but be careful: do it 24 hours before applying the grout.
- Brush the metal elements mechanically to remove any rust present.
- Apply **GROUT S10** at temperatures between +5°C and +30°C.
- If the grout contact surfaces are very cold, we should provide appropriate heating systems 24 hours previously, which will be maintained up to 2 - 3 days after application.
- If it is very hot, mix the grout with cold water (without ice), and keep a good shade over the grout for at least 2 - 3 days after application.

PREPARATION OF THE MIXTURE

- Mix 3.25 - 3.50 litres of water with 25 kg of **GROUT S10** for 2 or 3 minutes with a slow electric mixer. Immediately after kneading, apply it by pouring it into the cavity to be filled.

APPLICATION OF THE MIXTURE

In anchor plates, pour the grout continuously and quickly from one side of the plate until it comes out on the opposite side, thus ensuring that the air is completely removed. We can use vibrators or some rod to facilitate the complete filling of all the corners. If the plate is very large, provide perforations every 50 cm and apply the grout in one perforation until it comes out of the next and continue the process until the end of the plate.

TECHNICAL DATA

Density in powder	1.48 g/cm ³
Granulometry	from 0 to 4 mm
Mixing water	3.25 - 3.50 L / 25 kg sack
Density of the mixture	2.21 g/cm ³
Temperature of application	from +5°C to +30°C
Pot life	10 - 15 min
Residual damp (+20°C; 60%RH)	3.0% (48 hrs) / 2.0% (7 days)
Final hardening	24 hours
Thickness between anchoring plate and concrete	30 mm
Maximum expansion after 24 hours	0.17%
Pull-out strength	shifting <0.003mm @ 123kN
Resistance to flexion	≥ 8.0 N/mm ²
Resistance to compression (24 hours)	≥ 30 N/mm ²
Resistance to compression (7 days)	≥ 45 N/mm ²
Resistance to compression (28 days)	≥ 50 N/mm ²
Reaction to fire	A1
Consumption	20 kg/m ² ·cm thickness
Estimated expiration	12 months
Presentation	25 kg

