



weber.tec non-shrink grout+

Cementitious non-shrink mortar for general purpose



Suitable for grouting and concrete repair



Compressive strength >700 ksc.



No bleeding, No shrinkage

weber.tec non-shrink grout+ is pre-mixed cementitious non-shrink mortar suitable for grouting and concrete repairing works; columns, beams, precast construction cavities

● **PACKAGING :** 25 kg. / bag

● **COLOR :** Grey

● **COVERAGE :** Grouting works: Approximate 2 kg. of powder per 1 litre of mortar.
Repairing works: 16 kg./m² at 10 mm. thickness.

● SURFACE PREPATION

1. Concrete surface must be free from oil, grease and dust. Loose contaminants and unsound concrete must be chipped away.
2. Make sure that bedplate, bolts, pipes or other materials, which may have surface contact with the grout free from rust, oil, grease and dust.
3. Damper absorbent surface until reaching its saturated point.

● MIXING

1. Mix the powder with pre-measured clean water to suit the desired consistency.
2. For grouting, mix approx 4-4.5 litres of water with 1 bag (25kg) of weber.tec non-shrink grout+ (16-18% by weight of powder or water : powder ratio is 1:4 by volumn)
3. To be repairing plaster, mix approx 3-3.5 litres of water with 1 bag (25kg) of weber.tec non-shrink grout+ (12-14% by weight of powder or water : powder ratio is 1:5 by volumn.)
4. Mix with an electrical mixer (Max.speed 500 rpm) or in a pan or revolving barrel type mixer. Stand the mixture approximately 3-5 minutes after mixing to achieve maximum results.
5. When more thickness is needed, peg gravel (max size of 2/8" or 6 mm) can be added by the ratio of 10% by weight.

● USES AND ADVANTAGES

1. Use for the installation of heavy machinery base-plates, columns and tracks.
2. Use to repair the holes in concrete or uses for assembly part of precast concrete structures.
3. Use for the installation of steel bars and anchor bolts.

● RECOMMENDATION FOR USE

1. Formwork needs to be stable with out any gap to prevent the grout loss.
2. Maintain continuous head when grouting base-plate. Mortar flow should not be interrupted.
3. During application, ensure that air entrained in the grout is able to escape.
4. To prevent rapid surface drying and crazing, curing the area for 3-7 days.

● SHELF LIFE & STORAGE

One year after manufacturing date when stored unopened in dry and ventilated place (store airtight in dry and ventilated conditions, if remained in opened bag).

Technical data

| Type | weber.tec non-shirnk grout+ |
|-------------------------|-----------------------------|
| Density | 140 g/cm ³ . |
| Chemical curing time | 3-5 mins |
| Pot life | 120 mins |
| Application temperature | +5°C and +35°C |

Guaranteed Standard

| Test | | Result | |
|----------------------|--------|-------------|-----------------|
| | | Grouting | Concrete repair |
| Compressive strength | 1 day | 310 ksc | 525 ksc |
| | 7 day | 515 ksc | 960 ksc |
| | 28 day | 630 ksc | 900 ksc |
| Flexural strength | 1 day | 50 ksc | 65 ksc |
| | 7 day | 52 ksc | 80 ksc |
| | 28 day | 82 ksc | 62 ksc |
| Expansion at 24 hrs. | | 1.2-1.8 mm. | |
| Bleeding | | 0% | |

*Note: These test results are from the laboratory test. They could be slightly different from the on-site results because of the differences in applications and conditions.