



Cementitious shrinkage compensate grout with compressive strength >40 Mpa

- Compressive strength >40 Mpa
- Highly stable
- Excellent flow
- Easy to adjust fluidity without stratified or bleeding.
- Non-toxic, non-corrosive.
- Can be pumped with suitable grout pump.

Uses: **Webertec grout 40+** is shrinkage compensated, pre-mixed cementitious grouting mortars, selflevelling including silica fume to improve the technical properties and strength of mortar.

Webertec grout 40+ is suitable for the flowing grouting works:

- Machine foundations.
- Rails beds
- Anchor bolts.
- Columns in precast construction.
- Bridge bearings.
- Cavities, gaps, recesses
- High strength repair

PACKING AND STORAGE

Packaging: 25 kg/bag

Colour: Concrete Grey

Shelf life: 6 months from production date in case of stored properly in unopened original packaging.

Storage condition: Dry, cool, shade areas

TECHNICAL INFORMATION		
Test	Standard	webertec grout 40+
Density		~ 1,5 g/cm ³
Density of fresh mortar		~2,0 g/cm ³
Compressive strength		
1 day		≥ 10 Mpa
3 days	ASTM C109	≥ 20 Mpa
7 days		≥ 30 Mpa
28 days		≥ 40 Mpa
Flexural strength		
1 day		≥ 3 Mpa
3 days	ASTM C348	≥ 5 Mpa
28 days		≥ 8 Mpa
Bleeding	ASTM C940	0%
Expansion	ASTM C940	0%
Flow ability	TCVN 9204	170 - 240mm
Application temperature		5 - 35°C
Initial setting time	ASTM C403	≥ 6 h
Final setting time	ASTM C403	≥ 8 h
Particle size		< 4,76 mm
Min. gap		7mm
Max. gap		Please contact Weber Technical Department

**Note: All i-technical data stated in this product datasheet area based on laboratory test. Actual measured data may vary due to different conditions.*

TOOLS PREPARATION

- Mixer
- Mixing tank
- Hammer, chisel and other tools or equipment for prepare in appropriate areas

SUBSTRATE PREPARATION

- Concrete surfaces should be clean, solid, free from oil, grease, impurities and loose particles should be removed.
- Metal surfaces (iron, steel) should be free from dust, rust and oil and grease.
- Absorbent surfaces must be saturated thoroughly but no standing water.

MIX

- **Mixing ratio:**

Webertec grout 40+ : Water = 1 : 0.12 – 0.14 (By Weight)

Water content: 12 - 14%. Water requirement can be from 3 – 3,5 liters per 25kg bag depending on the required consistency.

Yield: 1 bag yields approx. 14,25 liters mortar, need 70 bags to make 1m³ of mortar.

- **Webertec grout 40+** should be add slowly to the pre-gager water to suit the required identical.

Mix for at least 3 minutes with a low speed electric mixer (500 rpm), until a smooth, identical is achieved.

- Should be use mixing equipment such as two arms, "forced-mixing" to the best performance.

- For best results, should be mixing the following procedure:

Mix mixture for 1 minute, stop around 20 - 30 seconds and continue in total 3 minute until get the identical.

APPLICATION

- Pour mortar after mixing. Ensure that Air entrapped into the grout is allowed to escape. When carrying out base plate grouting, ensure sufficient pressure head is maintained to keep mortar flow uninterrupted. Make sure that necessary form work is firmly in place and watertight. To achieve optimum expansion result, apply mortar as quickly as possible.

CURING

- Protect it from premature drying out by standard curing practice (keep moist, cover with wet hessian or suitable surface curing agents).

CLEANING TOOLS

- Clean all tools and equipment by water immediately after use. Hardened mortar can only be removed by mechanically.

APPLICATION NOTE

- Depending on the volume and the thickness of gap, large aggregates, e.g. 4–8 mm, 8–16 mm may be added to the **Webertec grout 40+** at a ratio of between 50-100% by weight of **Webertec grout 40+** powder. Round aggregates are more suitable than crushed ones.
- As a rule of thumb, minimum thickness of gap to be grouted shall be 3 times max. grain size diameter of aggregate.
- Trials should be conducted before application.
- Always refer to the latest updated product data sheet.

LIMITATIONS

- Minimum application temperature is 5 °C. At temperature lower than 20 °C setting time and strength gain will be slower.
- Normal curing practice should be observed for at least 3 days wherever mortar is exposed.

HEALTH SAFETY INFORMATION

- Avoid direct contact with skin and eyes. If product gets in eyes, immediately rinse eyes with clean water, then seek medical attention.
- Keep out of reach of children.
- Users should refer to the information and recommendations regarding the safe use, storage and disposal of products of the chemical group in the latest technical safety documents on physical, chemical, toxicological, ecology and related safety criteria.
- Ecology: Do not disposal into water.
- Waste disposal: According to local law.

Disclaimer:

The information related to Weber products is provided and recommended based on our knowledge and experience under properly stored, tested and used conditions under standard conditions. In practical applications, due to differences in materials, aggregates and actual site conditions, we do not guarantee the products will be suitable for any specific purpose, nor any legal binding on information, recommendations or advice from us. Users need to consult the latest documentation provided by us as well as check the product's suitability for the desired construction purpose.