



Technical Data Sheet Art. No. 0450-0452

ElastogROUT 2K

Flexible, waterproofing grout



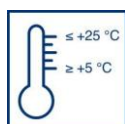
For use on floors and walls indoors and outdoors



Mixing ratio 2 components



Mixing time



Working temperature



Mortar cover / apply with filling knife/trowel / Spray application



Application rate per mm thick layer



Shelf-life



Store frost-free and cool, protected from moisture in closed containers

Range of use

- For waterproofing building elements with contact to the ground against ground damp, moisture and water pressure
- Horizontal waterproofing in and beneath walls
- For waterproofing building elements, tanks and basements
- For waterproofing in a bond with ceramic covers (balconies, terraces, showers and baths with floor drains).
- Coatings on concrete surfaces in facade and splash water areas subsequently treated with a carbonation inhibitor
- Reinforcement of construction joints is executed with water stops in the VF series

Property profile

- Quickly and easily applied
- Sets crack-free
- Adheres tightly to the substrate
- Water pressure tight
- Resistant to frost and age resistant
- Diffusion-open
- Adheres well to old bitumen
- Resistant to liquid manure

Characteristic data of the product

Powder:

Liquid:

Largest grain:
Working time (20 °C):
Applications of grout:
Loading capacity (20 °C):

Water pressure tight:
Adhesion to substrate:

Hydraulic binders, mineral aggregates, additives
Alkali resistant, plastic dispersion
approx. 0.5 mm
approx. 45 minutes
at least 2
can be subjected to mechanical loads/foot traffic/coated over after 2 days;
water loads after 7 days
≤ 6 m water column
approx. 1.5 N/mm²

- Can be applied as a grout with a brush or filling knife
- Corresponds to Codes of Practice and Guidelines for waterproofing buildings with cement bound, rigid and flexible waterproofing grouts
- Corresponds to ZDB Codes of Practice for the execution of waterproofing in a bond with facings and covers made of tiles and slabs

Substrate

Concrete and masonry work surfaces with fine-pored surfaces as well as cement surfaces (P II and P

III) are suitable. The substrate must be load-bearing and free of substances that could interfere with adhesion. Close joints, holes and wide cracks first and break off projecting edges.
Coarse-pored substrates (e.g. aggregate particle-pored, light-weight concrete blocks) should be smoothed first with a filler. Prime mineral substrates with Kiesel (diluted 1:1 with water). After this basic silicification treatment a scratch coat is applied. The primer should have been absorbed by the substrate and the surface air dry before the first coat is applied. Do not spray on Kiesel between the

layers of grout or on the surface of the waterproofing!

Directions

Shake or stir the liquid component well before using. Add the powder component slowly to the liquid component, mixing continuously. Mix until a uniform, lump-free consistency has been achieved. Mixing time: approx. 3 minutes. If necessary, smaller amounts can be mixed in a ratio of 1 : 3 (liquid : powder). The first coat is always applied with a brush. Do not add any additional water or change the mixing ratio. The layers that follow can be applied with a brush or in a filling procedure.

■ Execution of waterproofing

Loading group

Minimum dry layer thickness (mm) / application rate (kg/m²)

Ground damp > 2 > 3.3

Moisture, seepage water > 2 > 3.3

Water reservoirs

with a water depth < 6 m > 2.5 > 4.1

■ Surface waterproofing

The grout must be applied carefully and uniformly, covering the entire surface. (Application rate 1.5 - 2.0 kg/m²). The second layer (and if applicable a third layer) is applied, depending on object, by brush or in a filling procedure using a smoothing trowel. The second (and, if applicable, third) coat is applied when the first (second) layer of grout will no longer be damaged or the next day. To ensure that the waterproofing dries stress-free, do not apply more than approx. 2 kg/m² per layer. Total thickness should be max. 4 mm.

■ Joint Waterproofing

Corner and connection joints in permanently wet areas (showers,

balconies and terraces), are bridged with Remmers Water Stops in the VF series (Art. No. 5071-77). The water stop is worked into the first fresh layer of grout, following the course of the joint.

Place Floor and Wall Gasket VF (Art. No. 5077) around pipes passing through walls and floor openings.

Notes

Initially set grout cannot be made workable again by adding water or other additives. Do not use if the temperature of the air, substrate and building materials is below 5 °C or above 25 °C. The characteristic data given for the product was determined under laboratory conditions at 20 °C and 65 % relative humidity. Low temperatures lengthen, high temperatures reduce working and setting time. Protect the fresh waterproofing layer from drying out too quickly in wind, sun, frost and rain for 2 days. After drying at normal temperatures and in normal weather conditions, the water-proofing can be subjected to water loads after 7 days. When used in basins/tanks, waiting time is approximately twice as long. The waterproofing is applied to the side the water is on (positive water load).

■ Protecting the coating

Protect coated surfaces from damage (to ensure functionality). If the waterproofed surface is directly used (foot traffic), a protective layer should be applied (floor covers in a bond with the waterproofing, masonry work or a protective screed).

■ Laying ceramic covers

Ceramic covers can be laid as soon as the waterproofing can be subjected to foot traffic. The following adhesive mortars can be used:

- Multi-Cement (2856)
 - Flex Cement Rapid (2845)
- Draining channels with a perforated plate edge profile on balconies and terraces are placed in the first layer of waterproofing. Reinforcement Fabric 2.5/100 (Art. No. 4176) is placed, wet-on-wet, for stabilisation.

Possible system products

- Kiesel (1810)
- Multi-Cement (2856)
- Flex Cement Rapid (2845)
- Water Stop VF 120 (5071-5077)

Tools, cleaning

Mixing equipment, brush, smoothing trowel, filling knife, grouting broom
Clean tools and equipment with water while the grout is still fresh.

Packaging, application rate, storage

Packaging

2-component package:

Art. No. 0450:

Comp. A, 22.5 kg paper bag

Art. No. 0451:

Comp. B, 7.5 kg bucket

Art. No. 0452:

combination container, 20 kg

Application rate – fresh mortar:

Approx. 1.65 kg/m²/mm thick dry layer

Shelf-life:

At least 12 months stored dry in closed containers.

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

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