

Concrete Filler BS 05 G

- > Frost resistant
- > Simple processing
- > Color individually adjustable to the substrate
(with concrete filler BS 10 W)



Product description

Concrete filler BS 05 G is a cement-bound, treated, weather- and frost-resistant, hydraulically setting gray filler for layer thicknesses up to 5 mm.

The product is suitable for large-area resurfacing of concrete surfaces, repairing unevenness, gravel nests, broken edges, closing defects, etc., both indoors and outdoors.

Different shades of gray can be achieved for exposed concrete surfaces by mixing in concrete filler BS 10 white, thereby adapting to the various concrete substrates.

Concrete filler BS 05 G meets the requirements of ÖNORM EN 1504-3 (Class R2).

Delivery format

Container	Outer packaging	Pallet
25 KG / PS	-	42 PS
5 KG / KE	-	85 KE

Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 365 days

Processing

Recommended tools

Slow-rotating electric agitator, mixer, suitable mixing vessel, brick trowel, smoothing trowel, grout ladle, spatula.

Mixing

Present the recommended amount of water in a clean mixing vessel, add concrete filler BS 05 G, and mix with a slowly running stirrer until homogeneous and free of lumps (mixing time 3-4 minutes). Never use more water than indicated for mixing!

Processing

Process the mixed mortar quickly. Mortar that has already set should not be made workable again

by adding more water. Surface finishing, such as rubbing or troweling, should ideally be done without adding water in order to avoid changing the properties of the mortar.

Post-treatment:

Rapid drying of the fresh mortar must be prevented by appropriate measures (e.g. covering).

Tool Cleaning:

Clean tools and equipment with water immediately after use. Cured material can only be removed mechanically.

Technical data

Chemical base	Cements, aggregates and admixtures
Grain size	Dmax: 0.2 mm
Consumption	approx. 1.5 kg/m ² per mm layer thickness
Water consumption	approx. 0.24 l/kg
Layer thickness	max. 5 mm
Processing time	approx. 20 min.
Recoatability	With itself after about 24 hours; with Murexin surface protection systems after about 4 days; with Murexin hydrophobizations after 28 days (at 20 °C).
Bending tensile strength	after 1 day > 1 MPa; after 7 days > 2 MPa; after 28 days > 4 MPa
Compressive strength	after 1 day > 2 MPa; after 7 days > 11 MPa; after 28 days > 17 MPa
Object and material processing temperature	+5°C to +30°C
Processing temperature	+5°C to +30°C

Test certificates

Tested in accordance with (standard, classification ...)

ÖNORM EN 1504-3:2006 Klasse R2

Brandverhalten: Klasse A1 (unbrennbar) gemäß EN 13501-1

Substrate

Suitable substrates

The substrate must be clean, solid, load-bearing, and free from separating and adhesion-reducing components. Old coatings must be removed. The concrete substrate must have a compressive strength of > 25 MPa as well as a surface peel resistance of at least 1.5 MPa and a sufficient surface roughness (at least 0.3 mm). Blasting with a solid blasting medium is suitable as a substrate pre-treatment.

Before applying the mortar, the concrete must be pre-wetted to capillary saturation and allowed to dry to a damp state.

Steel components must be derusted.

Product and processing instructions

Material information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.
- Already mixed material that is beginning to harden may not be diluted further or mixed with fresh material!

Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.
- For heated screeds, a standard heating procedure is required before laying,
- Do not turn on the underfloor heating system during processing and hardening.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

Please refer to safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions and disposal.

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Avoid contact with the eyes and skin.

Breathing protection:

- Wear breathing protection in case of inadequate ventilation.
- Filter P2.

Hand protection:

- Protective gloves.
- The glove material must be impermeable and resistant to the product/substance/preparation.

Glove material

- Use gloves made from stable materials (e.g. nitrile).
- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: tightly sealed protective goggles.

Body protection: protective clothing.

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.

This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.