



KÖSTER Mortar Boost

Technical Data Sheet C 791 010

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Liquid synthetic additive to strongly improve technical features and workability of concrete and mortar systems. Liquid component for KÖSTER Injection Barrier. Additive for KÖSTER Turbo Mortar systems.

Features

KÖSTER Mortar Boost is a synthetic liquid for KÖSTER Turbo Mortar systems and other cementitious mortars or concrete. It is the liquid component for KÖSTER Injection Barrier. KÖSTER Mortar Boost is free of solvents, plasticizers and fillers. When added to mortars or concrete, KÖSTER Mortar Boost increases the density, the compressive and bending strength, and reduces water absorption. It eases application and reduces the water/cement ratio. Due to the synthetic additive, cured mortars and plasters become considerably more resistant to frost, salts and other aggressive substances.

Technical Data

Dry matter content	approx. 20 %
pH-value	10.5 - 11.5
Viscosity	< 100 mPa·s
Specific gravity	approx. 1.0
Application temperature	+ 2 °C to + 35 °C

Fields of Application

KÖSTER Mortar Boost is an additive for cementitious systems. It improves the physical properties of mortar and concrete systems, and at the same time reduces the water absorption. Additionally, KÖSTER Mortar Boost improves the application properties and workability of fresh mortars.

KÖSTER Mortar Boost is the liquid component for KÖSTER Injection Barrier.

KÖSTER Mortar Boost can be used to create an excellent bonding bridge between mineral based surfaces and screeds or other mortar systems. For that it is diluted 1 : 1 with clean water and then added to KÖSTER Turbo Mortar M.

Substrate

For the creation of a bonding bridge and for the application of KÖSTER Injection Barrier, remove dust and loose particles. Oil polluted and very dirty substrates have to be cleaned using suited cleaning agents and residues have to be rinsed off. If necessary, the substrate has to be ground, sand- or shot blasted. Avoid standing water on pre-wetted substrates.

Application

As additive to mortar or concrete systems:

Use KÖSTER Mortar Boost diluted 1 : 1 with water to mix it with KÖSTER Turbo Mortar M, KÖSTER Turbo Mortar F and other mortar systems. No additional water is needed.

In a system with KÖSTER Turbo Mortar M as bonding bridge, and as liquid component to KÖSTER Injection Barrier:

Use KÖSTER Mortar Boost purely instead of water to mix it with KÖSTER Turbo Mortar M or KÖSTER Injection Barrier.

Application examples: mortar additive / mortar coating

Mix KÖSTER Mortar Boost with water 1: 1 and use as mixing liquid instead of water - Suitable for:

- KÖSTER Turbo Mortar M (dilution requirement: 4.0 - 4.5 l)
- KÖSTER Turbo Mortar F (dilution requirement: 4.0 - 5.0 l)
- KÖSTER Sewer and Shaft Mortar (dilution requirement: 6.0 - 6.25 l)
- KÖSTER NB 1 fast (dilution requirement: approx. 8.0 l)
- KÖSTER Repair Mortar NC (dilution requirement: 4.0 - 5.0 l)
- KÖSTER Repair Mortar R4 (dilution requirement: 3.0 - 3.5 l)

Aftertreatment

Curing of mortars and concrete generally can be aided by covering the hardened material with polyethylene sheets. This reduces surface shrinkage tension especially when material has been applied in thick layers.

Consumption

For cementitious bonding bridges: approx. 200 g / m². As a mortar additive approx. 0.2 kg per liter of mortar.

Cleaning

Clean tools immediately after use with water.

Packaging

C 791 010 10 kg jerrycan

Storage

Store the material cool and frost-free. In originally sealed canisters it can be stored for a minimum of 2 years.

Safety

Avoid eye contact (wear protective goggles). Observe all governmental, state, and local safety regulations when processing the material.

Related products

KÖSTER Turbo Mortar F	Prod. code C 516 025
KÖSTER Turbo Mortar M	Prod. code C 517 025
KÖSTER Repair Mortar NC	Prod. code C 535 025
KÖSTER Repair Mortar R4	Prod. code C 536
KÖSTER Sewer and Shaft Mortar	Prod. code C 590
KÖSTER Injection Barrier	Prod. code IN 501 025
KÖSTER NB 1 Fast	Prod. code W 223 025

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.