

Sewer and Shaft Mortar

Chemically resistant, fast curing restoration mortar for sewers and shafts

- Official Test Certification for application in the drinking water sector, Hygiene-Institut des Ruhrgebietes, Gelsenkirchen gemäß DVGW-Arbeitsblatt W 347 „Hygienische Anforderungen an zementgebundene Werkstoffe im Trinkwasserbereich“

Features

KÖSTER Sewer and Shaft Mortar is a water tight, fast curing and fast setting restoration mortar for sewers and shafts. KÖSTER Sewer and Shaft Mortar is fiber reinforced and develops a high compressive strength.

Technical data

Density of fresh mortar	1,8 kg / l
Compressive strength (24 hours)	> 18 N / mm ²
Compressive strength (7 d)	> 35 N / mm ²
Compressive strength (28 d)	> 50 N / mm ²
Bending tensile strength (24 h)	> 3,5 N / mm ²
Bending tensile strength (7 d)	> 6 N / mm ²
Bending tensile strength (28 d)	> 7 N / mm ²
Pot life (20°C)	approx. 20 min.

Field of application

KÖSTER Sewer and Shaft Mortar can be used for the watertight repair, renovation and touch ups of sewer and shaft systems, and for the levelling and filling of break-outs up to 3 cm per layer.

Substrate preparation

The surface has to be sound and solid, and free of oil and grease. KÖSTER Sewer and Shaft Mortar is useable on all stable, hard mineral substrates. Tiling must be removed. The substrate must be open pored. Wet substrate before application.

Mixing

Mix 25 kg of KÖSTER Sewer and Shaft Mortar with 5.0 – 5.5 l water. Place $\frac{3}{4}$ of the liquid into a mixing vessel of sufficient size and add the powder in portions while continually mixing with a slow rotating double paddle electrical mixer. Add the remaining liquid as needed during mixing to adjust the mortar to the desired consistency. Mix until a homogeneous, lump-free consistency is

reached. Minimum mixing time is 3 minutes.

Application

The mortar has a pot life of approx. 20 minutes. Apply KÖSTER Sewer and Shaft mortar using customary mason's tools in one layer. The minimum thickness for a water tight coat is 4 mm, maximum thickness is 3 cm per layer.

Consumption

Approx. 1.8 kg / l void as repair mortar
Approx. 18 kg / m² per cm layer thickness

Cleaning of tools

Clean tools immediately after use with water.

Packaging

25 kg bag

Storage

Store the material dry. When stored in originally sealed packages it is can be stored for 6 months.

Safety precautions

Wear protective gloves and goggles.

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.