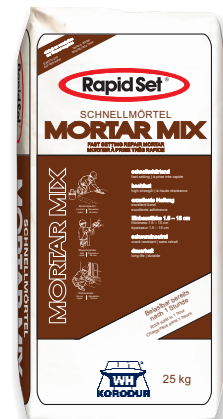




# MORTAR MIX

Fast-Setting Repair Mortar

*high-strength, multipurpose, unique*



## Highlights:

- **Fast-Setting**  
workable for 15 minutes  
ready for stress in 1 hour  
curing only with water
- **High-Strength**  
in 1 hour already 17,0 N/mm<sup>2</sup>
- **Non-Shrink**  
crack resistant
- **Durable**  
under extreme conditions  
frost / deicer resistant
- **Sulfate Resistant**  
resistant against many chemical  
attacks
- **Excellent Bond**  
directly without bonding  
compound
- **Multipurpose**  
for repairs and new construction  
horizontally, vertically and  
overhead
- **Installation Thickness**  
15 - 150 mm  
indoors and outdoors
- **Improved Shelf-Life**

**PRODUCT NAME**  
Rapid Set® MORTAR MIX  
Fast-Setting Repair Mortar

**PRODUCT DESCRIPTION**  
MORTAR MIX is a high quality, easy to process, mineral multipurpose and fast setting repair mortar that is ideal where rapid strength, durability and low shrinkage are desired. MORTAR MIX can be applied in thickness from 15 - 150 mm. Initial set after 15 minutes, ready for stress in 1 hour.

**FIELDS OF APPLICATION**  
MORTAR MIX is a multipurpose product qualified for general concrete repair, for repair of stucco and plaster, one-layer outdoor plasters, underlayments, mortar beds, formed works as well as the repair of roads. Indoors and outdoors, also in wet areas. MORTAR MIX can be processed horizontally, vertically and overhead.

**COMPOSITION**  
MORTAR MIX is a high-performance blend of Rapid Set® Cement and special mineral aggregates. MORTAR MIX is non-metallic, without chlorides. MORTAR MIX is similar in appearance to Portland cement repair materials and may be applied using similar methods.

**COLOR** [light-grey]  
The final color and surface appearance of MORTAR MIX may vary due to application techniques and environmental conditions.

**INSTALLATION THICKNESS**  
Qualified for installation thickness of 15 - 150 mm. For higher installation thickness the use of Rapid Set® CONCRETE MIX is recommended. For application as wearing layer, the placing of test areas is recommended.

**PROCESSING**  
**PREPARATION OF SUB-BASE**  
Clean sub-base from loose debris, cement slurry, dust, acids, oils and greases. For permabond compound the surface must be free of cracks, even, rough and openpore. The bond strength values required in the technical guidelines have to be observed (the value must not be less than 1,0 N/mm<sup>2</sup>). Before the application, pre-wet the sub-base thoroughly. In case of highly absorbent sub-bases, this process may have to be repeated several times.\* The formation of a water film or puddles has to be avoided.

\*If necessary, a primer on acrylic basis can be integrated.



# MORTAR MIX

Fast-Setting Repair Mortar

*high-strength, multipurpose, unique*

TECHNICAL DATA at +20°C	
<b>Color</b>	light-grey
<b>Grain Size</b>	0 - 3 mm
<b>Consumption</b>	2,0 kg/m <sup>2</sup> /mm
<b>Layer thickness</b> - recommended for ceiling/overhead - recommended for wall <small>*in the first working step depending on the chosen consistency</small>	15 - 150 mm 10 - 15 mm* 20 - 25 mm*
<b>Setting time</b> Referring to DIN EN 196-3 Test report No. 0-54/0696-B1/12	initial set: 15 min. final set: 35 min.
<b>Ready for traffic</b>	after 60 min.
<b>Compressive strength</b> DIN EN 1015-11 Test report No. 0-54/0696-B1/12	after 60 min. > 17,0 N/mm <sup>2</sup> after 180 min. > 28,0 N/mm <sup>2</sup> after 7 days > 35,0 N/mm <sup>2</sup> after 28 days > 48,0 N/mm <sup>2</sup>
<b>Flexural strength</b> DIN EN 1015-11 Test report No. 0-54/0696-B1/12	after 60 min. > 3,40 N/mm <sup>2</sup> after 180 min. > 5,40 N/mm <sup>2</sup> after 7 days > 5,20 N/mm <sup>2</sup> after 28 days > 5,25 N/mm <sup>2</sup>
<b>Static modulus of elasticity</b> ASTM C192, ASTM C469 Project No. 395683	approx. 26.827 N/mm <sup>2</sup> <input checked="" type="checkbox"/> demands fulfilled
<b>Sulfate restitance</b> Test acc. Wittekindt Test report No. 05-54/0696-B2/12	demands fulfilled <input checked="" type="checkbox"/>

## MIXING

The use of pan type mixer or qualified stirrer is recommended. Organize work so that all personnel and equipment / tools are in place before mixing. Use clean water for mixing. MORTAR MIX is mixed with 3,0 l to 4,5 l water per 25 kg bag. Use less water to achieve higher strength values. Do not exceed the maximum water admixture of 4,5 l per 25 bag. For increased fluidity and workability use Rapid Set® FLOW CONTROL® plasticizing admixture. Place water into the mixing container and add MORTAR MIX while the mixer / stirrer is running. To achieve a uniform consistency mix for 1 to 3 minutes. DO NOT re-temper mixed material.

## PROCESSING

MORTAR MIX may be processed using traditional methods. The final finish should be applied as soon as possible. MORTAR MIX may be troweled, floated or textured. Apply in one complete layer, i.e. not in several layers, and as uniformly as possible. Do not apply on frozen sub-base. When compacting, avoid the entry of air voids. To extend working time use Rapid Set® SET CONTROL® set retarding admixture.

## CURING

Begin water curing as soon as the surface has lost its moisture. Keep exposed surfaces wet for a minimum of 1 hour until the product has achieved sufficient strength. When experiencing extended setting times, due to cold temperature or the use of a retarder, longer cure times may be required.

## PROCESSING TEMPERATURE

Do not apply MORTAR MIX at sub-base or environmental temperature below +5°C. Temperatures > +20°C will reduce the working time. Temperatures < +20°C may decrease the rate of strength gain.

## STORAGE

Dry, like cement.  
Shelf-life approx. 12 months.

## HINTS

These products contain cement and have an alkaline reaction with moisture/water. Therefore protect hands and eyes. In case of contact with eyes consult a doctor. Our recommendations for application technique are based on our experiences. It is recommended to adapt processing and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery.

## License Producer for Europe:

KORODUR Westphal Hartbeton GmbH & Co. KG  
Works Bochum-Wattenscheid  
Hohensteinstr. 19  
44866 Bochum, Germany  
Phone: +49 (0) 23 27 / 94 57 - 0  
Certification: DIN EN ISO 9001:2008

## Sales:

KORODUR International GmbH  
Werner-von-Braun-Str. 4  
92224 Amberg, Germany  
Phone: +49 (0) 96 21 / 47 59 - 0  
Fax: +49 (0) 96 21 / 3 23 41  
info@korodur.de  
www.korodur.de

Per July 2015

© 2012 CTS Cement Manufacturing Corporation. Rapid Set, Cement All, Set Control, Flow Control and the Rapid Set logo are trademarks of CTS. All rights reserved.

KORODUR – Exclusive License Producer for Europe



0715/420