PROCESSING HINTS #8

per 09/2020

Rapid Set Repair Mortar CEMENT ALL, MORTAR MIX, CONCRETE MIX

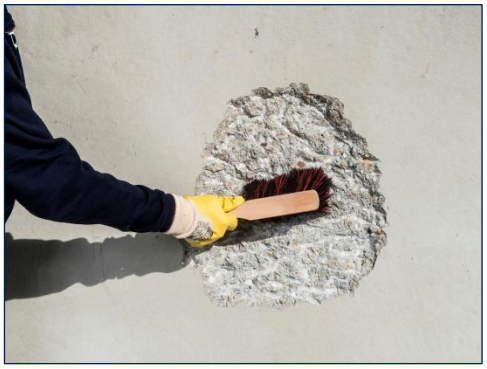
PREAMBLE

These hints inform about the processing of Rapid Set repair mortars. They do not replace our currently valid data sheets. Our technical application recommendations are based on our experience. We recommend to adapt the processing to the local conditions and refer to our general terms of sale and delivery.
For further information, please refer to our respective product data sheets, maintenance instructions and tender specifications.

SUB-BASE

Check the cementitious sub-base for sufficient load-bearing capacity. Prepare substrate by mechanical treatment such as milling and/or shot blasting, chiseling etc. The surface must be load-bearing, crack-free, even as well as rough and open-pored. Pre-wet until saturation, avoid puddle formation.

Picture 1: Cleaning of sub-base

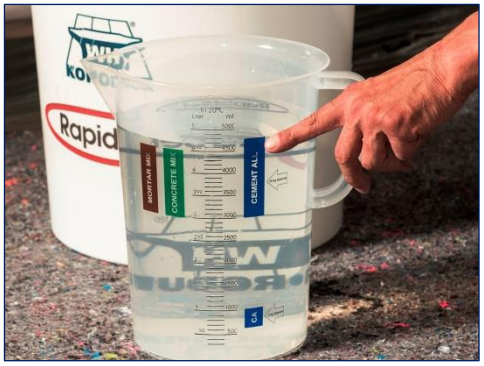


Picture 2: Pre-wetting of sub-base with water

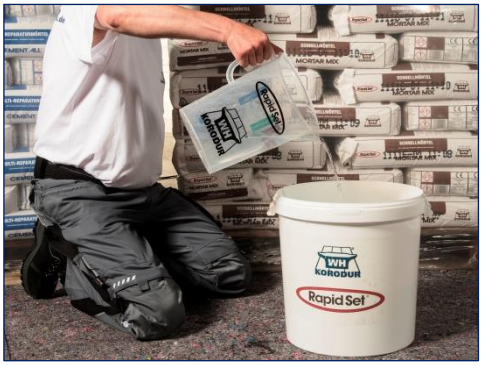
MIXING

Dose the mixing water in 5 liter measuring cup and pour into the mixing container. Don't exceed the maximum water quantity. Then add Rapid Set repair mortar whilst the mixer or stirrer is running and mix for at least 3 minutes.

Picture 3: Measuring of mixing water in 5- liter cup



Picture 4: Pouring mixing water into the mixing container

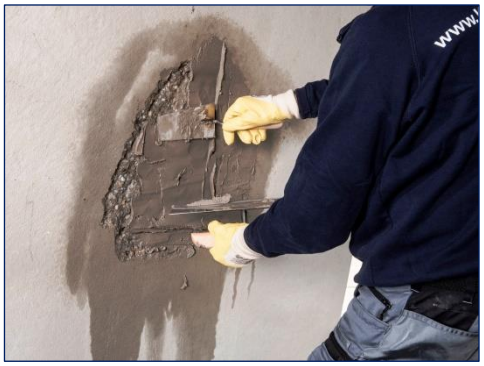


Picture 5: Adding Rapid Set repair mortar

Picture 6: Mixing repair mortar for at least 3 minutes

APPLICATION

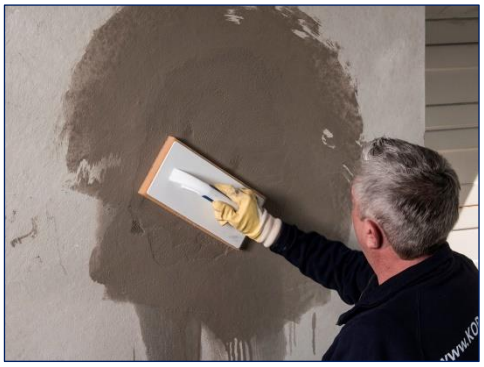
Rapid Set repair mortars can be processed by conventional methods. Finishing should be done as early as possible.



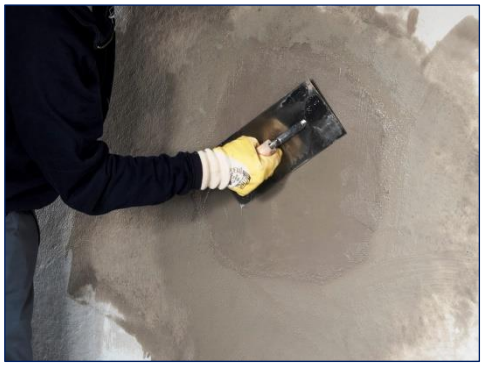
Picture 7: Application of Rapid Set repair mortar to the pre-wetted substrate.

Picture 8: Reprofiling of the damaged area in one layer

Rapid Set repair mortars can be smoothed, rubbed or textured. The installation should be done in one complete layer, i.e. not in layers and as evenly as possible.

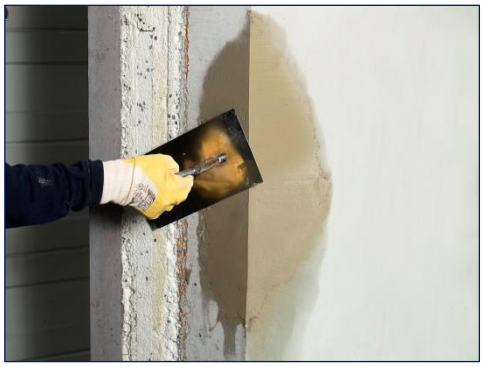


Picture 9: Rubbing of the surface



Picture 10: Treatment with smoothing trowel

Picture 11: Example of broken edge

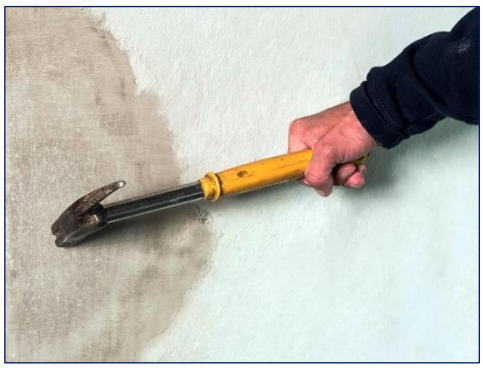


Picture 12: Example of reprofiling a damaged concrete edge

CURING

Cure reprofiled surfaces with water only for at least 1 hour.

Picture 13: Curing finished surface with water for at least 1 hour



Picture 14: After 1-2 hours, the finished surface is ready for stress

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