

Installation of NEODUR HE 60 rapid on set concrete

per 08/2025

Preamble

These hints shall give information on the application of e.g. NEODUR HE 60 rapid. They don't replace the current relevant technical data sheets.

Base concrete / Underground

The base concrete, strength class min C25/30, must meet the requirements of DIN EN 13813 / DIN 18560-7. Required bond strength 1,5 N/mm².

Mechanical underground preparation such as milling and shot peening.



Road milling machine



Shot peening

The surface must be free from cracks, rough and open-pore. Required levelness acc. to DIN 18202, Tab. 3, line 3.



Afterwards thorough cleaning of the surface from dust and loose particles.



Pre-wetting of the clean sub base the day before the installation.

KORODUR HB 5 rapid Bonding Compound



Mixing of the bonding compound HB 5 rapid with electrical stirrer or in pan type mixer for at least 3 minutes.



Application of the uniformly brown coloured slurry, 1 - 2 mm thick, on the matt-damp underground and brushing in with street broom.

NEODUR hard aggregate dry screed

Mixing of NEODUR HE 60 rapid with suitable



pan type mixer



in an applicable consistency.



Mixing and pumping: InoComb of Inotec

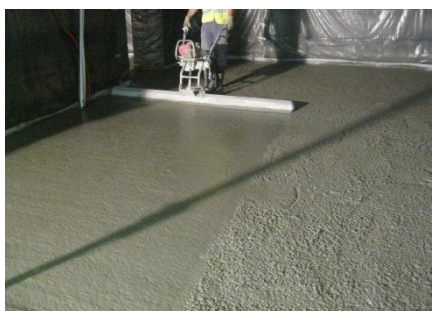
Striking off the hard aggregate screed over 15-50 mm gauges with straightedge lath or vibrator beam on the fresh KORODUR bonding compound.



Application with pneumatic conveyor



Striking off with straightedge/aluminum lath



Striking off with vibrator beam

Smoothing / trowelling of the hard aggregate screed

After striking off the hard aggregate layer, the surface must be trowelled timely with disk float.



Helicopter and disk float

After the surface has been smoothed with disk float, for further processing a helicopter can be used, 2 - 3 passes whereby the wings are gradually adjusted steeper.



Helicopter in use

Processing and smoothing aid



Spray EASY FINISH during trowelling process.

Curing and first silicatisation

After the last smoothing pass the surface must be cured. We recommend e.g. the use of our curing agent KOROMINERAL CURE.



Curing with KOROMINERAL CURE

Silicatisation

Minimum two to three days later, apply Koromineral Li+. Spray the material and use then a mop to spread uniform onto the surface – setting time: one day.



Joints

Joints are required in the one-layer KORODUR composite screed:

- a) above all joints existing in the base concrete.
- b) as edging joints along uprising construction parts.

Joints are formed by joint cut above the existing joints in the base concrete or vertically along uprising construction parts as edging joints.

Finally, the joints are filled with suitable joint sealants, such as e.g. of bitumen, Thiokol, silicone rubber or elastic polyurethane.

Hints

Our recommendations for application techniques 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. For further information please see our relevant product literature, maintenance hints and tender specifications.

More tools



Iron bars: approx. 15 mm diameter, approx. 4 m long



Further hints

- Application temperature: min + 5 degrees, maximum 30 degrees – if hot, application in the evening/night
- Frequency of bond tests: if the daily performance will be 500 m² or more, please do 5 tests over the whole are. This is not a standard or a rule, but experience.
- Application to drainage channel with suitable epoxy and sanding, then HE 60 rapid