PROCESSING HINTS #5

KORODUR Decorative Screeds KCF and GRANIDUR

PREAMBLE

These hints inform about the processing of decorative screeds. 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

The surface must be clean, crack-free, even, as well as rough and open-pore for perfect bond.
The base concrete with strength class C 30 must meet the requirements of DIN EN 13813 / DIN 18560-7. Demanded surface bond strength 1,5 N/mm².

Picture 1: Preparation of sub-base by milling and/or shot peening

Picture 2: Thorough pre-wetting of the clean sub-base, avoiding puddle formation

PRIMING

Mix bonding compound HB 5 with electric stirrer or in pan type mixer for at least 3 minutes.
Distribute uniformly 1 - 2 mm thick on the matt-damp sub-base and brush in with street broom.

MIXING

Picture 3: Application of bonding compound

Picture 4: Mixing in pan type mixer

Mix screed mortar in suitable mixing equipment with the specified amount of water for at least 3 min.

PROCESSING

Picture 5: Application of the mortar

Picture 6: Grinding/floating the surface

Apply the mixed screed mortar, e.g. 15 mm thick on the fresh KORODUR bonding compound and trowel surface timely with disk float.

SMOOTHING

Picture 7: Troweling of surface

Picture 8: Mechanical edge troweling

After troweling, the surface is repeatedly mechanically smoothed until a shiny KCF texture is achieved. Edging areas may have to be intensively smoothed manually.

CURING

Picture 9: Finished smoothed surface

Picture 10: After-treatment with painter's cardboard

Application of hard aggregate screed on the fresh KORODOUR bonding compound using leveling gauges of 15 mm.

POLISHING

Picture 11: Joints with profile

Picture 12: Recutting joints

The GRANIDUR surface is polished in up to 5 polishing steps, until the desired terrazzo optics become visible. Thereafter repeated mechanical wet cleaning with brush head. After a sufficient drying and setting period (at least 21 days) the whole area is cleaned pore-deep and finally first maintenance treated. Different products are available on request.

Picture 13: Polishing the surface

Picture 14: Application of first maintenance product