

PROCESSING HINTS #4



per 09/2020

NEODUR Level - self-leveling, fast-setting hard aggregate thin screed on set sub-base

PREAMBLE

These hints inform about the processing of NEODUR Level. 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 cementitious sub-base must be prepared by milling and/or shot peening. Existing cracks, breakouts and defective joints must be professionally repaired. The sub-base must be load-bearing, solid, clean, dry and free from loose particles, oils, greases or other impurities that may impede adhesion, as well as free from cracks.

Picture 1: Preparing the surface by milling



Picture 2: Temperature measurement at sub-base



PRIMING

Dilute KORODUR PC primer 1:1 to 1:3 with water and apply with lamb-skin roller.

Picture 3: Priming with KORODUR PC and/or KORODUR TXPK



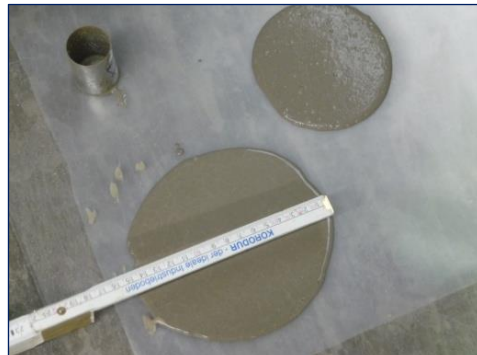
Picture 4: Mechanical processing with Duo-Mix 2000



PROCESSING

Mix NEODUR Level using stirrer with min. 650 rpm or pan type mixer (e.g. Collmix, LevMix or Hippo-Mixer) for approx. 3 - 5 minutes or mix and pump mechanically with screw pump m-tec Duo-Mix 2000 or Inotec inoCOMP Cabrio. Slump approx. 13 - 14 mm (cylinder/measuring tube with d = 32 mm and h = 51 mm). Don't use mixing technique that intrudes large amounts of air.

Picture 5: Determination of consistency



Picture 6: Optimum mortar consistency



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APPLICATION

To apply the material uniformly, the use of a suitable squeegee is recommended. To remove air inclusions, the still flowing surface should be treated with a suitable spiked roller. Keep material temperature ≥ 10 °C. Mixed NEODUR Level should be applied within 30 minutes.

Picture 7: Mixing with Hippo-Mixer



Picture 8: Application with hand mixed NEODUR Level



Picture 9: Mechanical application with feeding hose NW 30



Picture 10: Height variable squeegee



Picture 11: Spiked roller for venting



Picture 12: Freshly applied area NEODUR Level



JOINTS

All joints existing in the sub-base are to be taken over in the NEODUR Level wearing layer. The NEODUR Level screed must be separated from uprising masonry (walls, columns, etc.).