PROCESSING HINTS #7

per 09/2020

TRU Self-Leveling, TRU PC and TRU SP - self-leveling, polished decorative screeds

PREAMBLE

These hints inform about the processing of TRU Self-Leveling, TRU PC and TRU SP. 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

Prepare the cementitious sub-base by milling and/or shot peening. Existing cracks, breakouts and damaged joints must be properly repaired. The sub-base must be load-bearing, solid, clean, dry and free from loose debris, oils, greases or other contamination impairing the bond, crack free.

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

Picture 2: Checking the sub-base after milling (surface bond strength)

PRIMING

Mill and clean surface. Then apply KORODUR TXPK primer and broadcast with quartz sand.

Picture 3: Arrangement of joint profiles

Picture 4: Priming with KORODUR TXPK

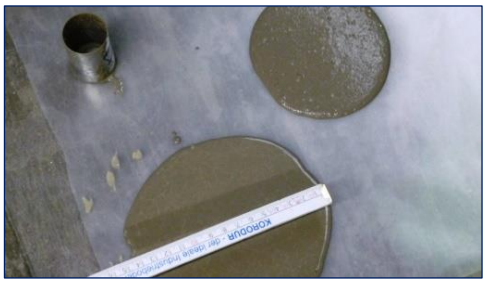
Picture 5: Broadcasting of quartz sand in grain size 0,4 - 0,8 mm onto the TXPK-primer

Picture 6: Pan type mixer Collomix LevMix (left) or Hippo-Mixer

PROCESSING

Mix TRU with stirrer or in pan type mixer (e.g. Collomix LevMix or Hippo-Mixer) for approx. 3 - 5 minutes and distribute on the surface. Slump approx. 13 - 14 mm (with cylinder/measuring tube with d =32 mm and h = 51 mm). Don't use mixing equipment that entrains big amounts of air.

Picture 7: Determination of consistency



Picture 8: To avoid lumps in the mix, refill/screen the TRU material after mixing and apply on the surface.

TRU allows individual and creative design in many colour variants and by broadcasting decorative aggregates (e.g. glass, marble). Considering the wide range of design options, it is recommended to run on-site pilot tests/test areas.

Picture 9: Admixture of colour pigments

Picture 10: Addition of decorative aggregates

APPLICATION

For uniform application of the material, the use of a suitable scraper is recommended.
To remove air enclosures, treat the still flowable surface with spiked roller. Keep material temperature at ≥ 10 °C. Apply mixed TRU material within 30 minutes.

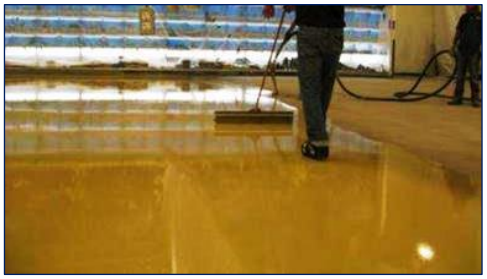
Picture 11: Application of TRU using Hippo-Mixer

Picture 12: Height-variable scraper

SMOOTHING/ POLISHING

TRU is ready for polishing in 24 hours after application. Grinding and polishing similar to concrete. The surfaces can be polished to a high dense sheen - see polishing guidelines. When polishing, up to 3 mm (depending on the desired optics) of the initial layer thickness are polished off.

Picture 13: Spiked roller for venting



Picture 14: Polishing the surface

JOINTS

All joints existing in the sub-base must be taken over in the TRU wearing layer. The TRU decorative screed must be separated from all uprising masonry (walls, columns, etc.).

Picture 15: Joint cutting

Picture 16: Application for first maintenance treatment product