

## ColoRex<sup>®</sup> installation on subfloors with high humidity

During and after the installation of ColoRex<sup>®</sup>, the humidity of the subfloor should not exceed the following values:

Concrete subfloors without floor heating	max. 2.5% <sup>(a) (b)</sup>
Concrete subfloors with floor heating	max. 1.5% <sup>(a)</sup>
Anhydrite screed and plaster bound subfloors without floor heating	max. 0.5% <sup>(a)</sup>
Anhydrite screed and plaster bound subfloors with floor heating	max. 0.3% <sup>(a)</sup>

- <sup>(a)</sup> Measured with CM method, test material extracted over total subfloor thickness  
<sup>(b)</sup> Measured with Darr-Test for monolithic concrete floors

Where concrete subfloors show a relatively high humidity, installation of ColoRex<sup>®</sup> can be made anyhow after application of a moisture barrier. Proceed as follows to apply the moisture barrier:

- Mix the 2-components Epoxy Primer 024 from Forbo with clear water in 1:1 ratio
- Spread the solution over the grinded and clean concrete floor with a foam roller, quantity approx. 150 g/m<sup>2</sup>
- After drying of the first layer, apply a second layer of undiluted primer. In case of particularly high humidity (4 – 5% CM) apply a third layer of undiluted primer. Apply layers crosswise. Afterwards, disperse plenty of quartz sand into the wet primer, granularity 0.4 – 0.8mm.
- Allow the Epoxy Primer to dry for 24 hours
- After drying, remove the excess (not bound) quartz sand with a hard sweeper or industrial vacuum cleaner.

For a professional installation, treat the subfloor as follows after application of the moisture barrier:

- Level with self levelling compound 975 from Forbo, thickness at least 2mm
- For electrically conductive installations of ColoRex, apply additionally the conductive Dispersion Primer 041 from Forbo with a foam roller, quantity approx. 150 g/m<sup>2</sup>. Copper strips for earth connection must be installed onto the primer.

Please refer to our installation manual for detailed installation and acclimatisation procedures. The manuals can be downloaded directly from the Download Centre of our website [www.forbo-esd.com](http://www.forbo-esd.com)