SCHÖNOX US
Cement Based Self-leveling Compound

Suitable on cement and gypsum based substrates. Designed for fast leveling in interior and exterior areas. SCHÖNOX US can be installed above 1/8” up to 3”.

Product characteristics
- EMICODE EC 9th R: very low emission
- for interior and exterior use
- water and frost resistant, no moisture vapor emission limitations on properly prepared concrete
- self-leveling
- suitable on underfloor heating systems
- low shrinkage
- pumpable
- suitable for castor wheel loadings
- layer thicknesses above 1/8” up to 3”
- tested in accordance with ASTM C1708
- exceeds minimum FF/FL requirements of ASTM and ACI when installed in accordance with the guidelines

Applications
SCHÖNOX US is suitable for filling, smoothing and leveling of substrates:
- under flexible coverings
- under interior wood floor, layer thickness at least 1/4”
- under ceramic tiles and stone

as well as for filling, smoothing and leveling of unheated, cement based substrates under:
- SCHÖNOX Moisture Mitigation Systems

Substrates
SCHÖNOX US is suitable on:
- concrete, cement substrates
- gypsum substrates
- OSB board, plywood (well screwed down or bonded) prior to install flexible coverings
- old substrates such as ceramic tiles and terrazzo
- old, water-resistant adhesive residues

Requirements of substrate
- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion.
- Surface treatments or any “frangible” areas of the subfloor must be mechanically removed back to a sound base and the substrate repaired with SCHÖNOX repair compounds as required.
- This product is not a vapor barrier and will allow free passage of moisture. Follow the directions of the floor covering manufacturer regarding the maximum allowable substrate moisture content and test the substrate prior to installing SCHÖNOX US. Where substrate moisture exceeds the maximum allowed then application of SCHÖNOX SDG, SCHÖNOX MR 18 or SCHÖNOX EPA may be used to suppress residual moisture.

Technical data
- pot life: approx. 40 minutes at 68°F
- ready for foot traffic: approx. 4 hours
- ready for covering:
  - after approx. 24 hours up to 1/4”
  - after approx. 48 hours up to 3/8”
  - for ceramic tiles: when walkable
- working temperature: 41°F - 90°F
- coverage per unit:
  - approx. 55 - 65 sq.ft. at 1/8” (depending on substrate conditions and aggregate used)
- compressive strength (ASTM C109):
  - 4250 psi / 25 N/mm² / 300 kg/cm² after 28 days
  - 2000 psi / 12 N/mm² / 135 kg/cm² after 1 day
- flexural strength (ASTM C348):
  - approx. 100 psi / 6 N/mm² after 28 days
- tensile strength (ASTM C1583):
  - above 350 psi / 2 N/mm² after 3 days
  - initial Set (ASTM C191): approx. 30 minutes
  - final Set (ASTM C191): approx. 95 minutes
- cured density: 119 lbs. / cu.ft.
- UL-classified in accordance with ASTM E84
  - Flame Spread 0; Smoke Development 0

All values are approximate, are subject to local climatic fluctuations based upon conditions at 70°F with atmosphere of less than 65 % relative humidity following the recommended mixing ratio. Do not install underlayment or topping before the substrate has dried thoroughly.
approx. 3 minutes using a heavy-duty drill (min. 600 rpm) to obtain a lump-free mix. Then pour the mix and spread using a smoothing trowel. Even surfaces are easily achieved using a pin leveler. In higher thicknesses using a spike roller is recommended.

- Contact to vertical structures should be avoided by putting in SCHÖNOX FOAMTAPE.
- If a second layer of leveling compound is to be applied, prime the first layer with SCHÖNOX KH FIX after drying. The maximum layer thickness must not be exceeded in case of two layer applications. The second layer must not exceed the layer thickness of the first layer.
- Protect curing SCHÖNOX US layers from high ambient temperatures, direct sunlight and draughts.
- Clean tools in water immediately.

**Packaging**
- 25kg / 55lb. net weight in paper bags

**Storage**
- Store in cool and dry conditions.
- Shelf life: 12 months unopened.
- End of shelf life does not generally indicate the end of the products suitability for the intended use. Always test in a small area.

**Disposal**
- Empty packaging and dispose of in accordance with federal, state and local waste disposal regulations.

**VOC Content**
- 0g/l (calculated), SCAQMD 1113

**LEED**
May help contribute to LEED v4 certification of projects in the categories:
- EQc2 - 3 points
- Low-Emitting Materials
- MRc1 - up to 2 points
- Life-Cycle Impact Reduction
- MRc2 - 1 point
- Environmental Product Declaration
- MRc4 - 1 point
- Material Ingredients

**Environmental Product Declaration (EPD)**
- Declaration number: EPD-DIV-2013311-EN

Prior to each use of any SCHÖNOX product, the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at www.schonox.us, or by calling the HPS SCHÖNOX Technical Service Department at 855-391-2649. Nothing contained in any SCHÖNOX materials relieves the user of the obligation to read and follow the warnings and instruction for each SCHÖNOX product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to product use. This product data sheet supersedes all previous editions.

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