

Pumping technology

Pumping of SCHÖNOX Self Leveling Compounds

Subfloor Preparation using Pumping Technology allows cost efficient smoothing, evening and leveling of uneven substrates using the following SCHÖNOX Self Leveling Compounds: SCHÖNOX AP, SCHÖNOX APF, SCHÖNOX ZM, SCHÖNOX US, SCHÖNOX DSP and SCHÖNOX ZM RAPID.

Characteristics and Range of Application

- the fastest and most efficient way to even existing substrates prior to the installation of floor coverings
- no time consuming handling of the leveling compounds within the area to be leveled
- coverage up to 32,000 sq.ft. in one day possible
- hose length up to 260 ft.
- application in an upright position
- for new construction as well as renovation

Requirements of substrate

- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed back to a sound base and the substrate repaired with SCHÖNOX repair compounds as required.
- All slabs on or below grade level must be known to have an intact vapor retarder directly beneath the concrete in conformance to the relevant standards. If in doubt, please contact our SCHÖNOX representative for further advise.
- SCHÖNOX Leveling Compounds are not vapor barriers 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 install SCHÖNOX Leveling Compounds. Gypsum based substrates should always be dry. Do not use Moisture Mitigation Systems on gypsum substrates.
- Old water-soluble adhesives should be removed completely, old water-resistant adhesives should be mechanically removed as far as possible. The complete mechanical removal of cutback (i.e. grinding, sanding, blasting) can be hazardous as old cutback adhesive may contain asbestos. Do not sand or grind adhesive residue. Harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Please consult the adhesive manufacturer and all applicable government agencies for rules and regulations concerning the

removal of flooring and adhesives that contain asbestos. Prime remaining adhesive residues accordingly.

- Old floors such as ceramic tiles should be thoroughly cleaned and abraded.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

Pumping

- Recommended pump: Graco ToughTEK MP20 or MP40, PFT G4 or similar.
- Before starting fill the storage tank of the pump with leveling compound powder.
- To calibrate the required amount of mixing water check the consistency of the mixture following the flow rate diameter on the back page using a diameter ring (inside diameter 1 1/16", 2" high). The flow rate of SCHÖNOX leveling compounds typically is approx. 6" (5 min. after mixing). The consistency of the mixed material should equal the consistency of a barrel mix.
- Always follow the Technical Data Sheet of the used SCHÖNOX leveling compound.
- For best results use of a spike roller is always recommended at layer thicknesses above 1/8".
- Clean pump and hose thoroughly immediately after use to avoid the underlayment to start setting in the equipment.

Required Equipment

For best results the following conditions should be provided:

- Approx. 2,000 sq.ft. of free space to work over.
- The substrate preparation following the referring product data sheets, specifically priming, crack repair and installations of SCHÖNOX Foam Tape.
- Bus bar of 380 V, 32 A.
- Water connection 1/2" with water pressure of 3.5 bar in a distance of 80 ft. by maximum.
- Proper preparation and set up of pumping material and pump at a suitable location outside the area to be leveled.
- At least 3 installers.

The applicable recommendations, guidelines, regulations and safety data sheets are to be observed, together with the recognized architectural and engineering regulations. We guarantee that our products leave the factory in perfect condition. While our recommendations for use are based on tests and practical experience, they can only provide general guidance without any assurance as to product characteristics, since we have no influence over the conditions on site, the execution of the work or the method of processing. This product data sheet supersedes all previous editions.



The SCHÖNOX management system is certified to ISO 9001 and 14001 by DQS.

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SCHÖNOX® Pumping technology

 SCHÖNOX® Self Leveling Compounds

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