



SCHÖNOX SEZ PLUS

Ready Mixed Rapid Setting Sand Cement Screed and Trench Filler

Suitable for installations of cement based rapid setting sand cement screeds. Ready for covering after approx. 24 hours. For interior use only.



Product characteristics

- EMICODE EC 1^{PLUS} R: very low emission^{PLUS}, regulated
- for interior use only
- no aggregate required
- pumpable
- easy to apply
- layer thickness above ½"
- fast drying even in higher layer thickness
- dries by hydration
- low shrinkage
- suitable on/with floor heating systems
- high hardness and strength

Applications

SCHÖNOX SEZ PLUS is suitable for installations of:

- bonded screeds
- floating screeds on insulation or encoupling products
- heated screeds
- repairs of cement based screeds and concrete
- as well as for filling trenches when walls are to be moved

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.
- 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.
- Gypsum 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. Refer to the Resilient Floor Covering Institute's publication "recommended work practice for removal of resilient floor coverings" for instruction. 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.

- 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 SEZ PLUS. 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.

Mixing ratio

Mix each 25kg / 55lb. bag with 1.8 l / 1.9 quarts of water

Recommended method of working

- Add SCHÖNOX SEZ PLUS to cold, clean water to form a homogeneous mixture using a screed mixer or a heavy duty hand mixer with an appropriate drill.
- Pre-wet the substrate and apply a bonding slurry made of SCHÖNOX SEZ PLUS mixed with SCHÖNOX VD and water (55lb. of SCHÖNOX SEZ PLUS + 0.5 gal. of SCHÖNOX VD + 3.2 gal. of water) on the pre-wetted substrate. Afterwards SCHÖNOX SEZ PLUS is applied into the wet bonding slurry.
- Apply, compact and smooth SCHÖNOX SEZ PLUS quickly using a stainless steel smoother. Do not mix more material than can be applied within 30 minutes.
- The minimum layer-thickness is ½" when used as a repair mortar. Install above 1-1/2" when used as a floating system over insulation boards or plastic.
- Do not apply SCHÖNOX SEZ PLUS over movement and expansion joints.
- Contact to vertical structures should be avoided by putting in SCHÖNOX FOAMTAPE. Avoid direct contact to metallic constructions (e.g. heating pipes), which can lead to corrosion.
- Protect curing SCHÖNOX SEZ PLUS layers from high ambient temperatures, direct sunlight and drafts.
- When the floor covering is not to be installed after SCHÖNOX SEZ PLUS dries, cover the surface using a foil to avoid absorption of humidity. Remove foil 24 hours before installing floor covering.
- Embedded heating systems must not be turned on the first 7 days after installing SCHÖNOX SEZ PLUS. Then heat up for 3 days at approx. 25°C / 70°F and for another 4 days at the maximum temperature (but never above 65°C / 150°F). Subsequently cool down to a surface temperature of

Technical data

- pot life: approx. 30 min.
- ready for foot traffic: after approx. 3 hours
- ready for covering:
 - after approx 24 hours at 2"
 - after approx 72 hours at 2" prior to installing wood floor, cork or rubber.
- working temperature:
 - +5°C / 41°F up to +30°C / 86°F
- coverage per unit: approx. 18 sq.ft. at ½"
- compressive strength: approx. 40 N/mm² / 6500 psi at 28 days
- flexural strength: approx. 6 N/mm² / 1000 psi at 28 days
- cured density: 134 lbs. / cu.ft.
- UL-classified in accordance with ASTM E84 (ANSI/UL 723):
 - 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.



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approx. 20°C / 70°F prior to install any topping.

- Clean tools in water immediately.

Packaging

- 25.0 kg / 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

Instructions

- Do not use in areas of constant water exposure (such as interior swimming pools).
- Always install an adequate number of properly located test areas, to include the finish flooring, to determine the suitability of the product for its intended use. As floor coverings vary, always contact and rely upon the floor covering manufacturer for specific directions such as maximum allowable moisture content, adhesive selection, and intended end use of the product.
- Low substrate temperatures and/or high ambient humidity require longer drying times.

Precautions

- SCHÖNOX SEZ PLUS contains Portland cement and sand aggregate. Avoid eye and skin contact. In case of contact, rinse immediately with plenty of water. In case of contact with eyes seek additional medical advice. Mix in a well ventilated area and avoid breathing powder or dust.
- Never mix with cement or additives other than SCHÖNOX approved products. Observe the basic rules of concrete work. Do not install below 41°F surface temperature. Install quickly if substrate is warm.

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.



Management system certified to ISO 9001 and 14001 by SQS.

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