

Power reinforcement fabric

crack-bridging, reinforced and alkaline resistant glass fabric for armoring thin-bed mortars and floor levelling compounds especially on wooden substrates. SCHÖNOX PZG is extrem tear-resistant and useful for many purposes. By the use of high-grade glass yarn with a special coating a high alkaline resistance is reached. For interior and exterior use.

Product characteristics

- very high tensile strength
- relieves stress in composit construction
- crackbridging
- alkali-proof
- resists dislocation
- contains no plasticizer
- high resistance to temperature
- themal expansion coefficient
- good adhesion to SCHÖNOX tile adhesives
- good adhesion to SCHÖNOX floor levelling compounds
- for interior and exterior use
- on heated constructions used

Applications

- Reinforcement of suitable SCHÖNOX floor levelling compounds on wooden substrates, e.g. timber floor boards
- Reinforcement on old substrates to relieve stresses and movements in combination with SCHÖNOX RK 20, SCHÖNOX iFIX™ or with suitable SCHÖNOX tile adhesives.
- Reinforcement on mixed brick work or other mixed substrates on walls to relieve stresses for subsequent plaster or mortar layers in combination with SCHÖNOX RK 20, SCHÖNOX iFIX™ or with suitable SCHÖNOX tile adhesives.
- Reinforcement on stable substrates for subsequent laying of thin natural stones to prevent cracks in combination with SCHÖNOX RK 20, SCHÖNOX iFIX™ or with suitable SCHÖNOX tile adhesives.

Substrates

- concrete (at least 3 months old)
- masonry
- calcium sulphate based screeds
- mastic asphalt screeds (completely sanded) IC 10 and IC 15 according to EN 13 813
- old ceramic coverings

- wood planks
- particle boards (V 100) according to DIN 68 771 (screwed and/or fully surface bonded)
- Construction boards

Requirements of substrate

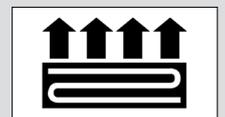
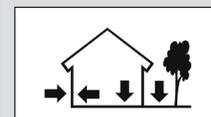
- Adequate dryness, strength, bearing strength, evenness and dimensional stability.
- Free of residues which reduce adhesion, e.g. dust, dirt, oil, grease, wax, cleaning agents and loose particles.
- Separation layers, sinter layers, and other similar contamination should be removed through appropriate measures, such as sanding, brushing, abrasive blast cleaning, milling or thorough cleaning.
- Substrate should fulfill the requirements of DIN 18 202, tolerances in building constructions.
- The requirements of DIN 18 352 are applicable.
- Old, ceramic coverings and natural stones should be firmly laid, thoroughly cleaned and eventually abraded.

Wooden substrates:

- Wooden planks should be fixed well on the timber work and inserted in groove and tongue. They should not move opposite to one other and should have an even moisture of wood. Damaged planks should be renewed with a wooden construction minor sensitive to expansion.
- The substructure of wooden floors should be permanently dry to avoid damages from moisture, deformation, rottenness, mildew and so on. Take care for an adequate ventilation through edge strips and space.
- Joints, cracks and holes can be closed with SCHÖNOX PL, SCHÖNOX SuperFix or an acrylic sealing.
- The installing of ventilated skirtings or ventilation slots should be considered.

Technical data

- Fiber type: E-glass
- Basis weight: 530 g/m²
- Binder base: styrene butadiene latex
- Binder content: 20-25%
- Longitudinal tensile strength: >5000 (N/50 mm) warp
- Tensile strength perpendicular: >9000 (N/50 mm) shoot
- color: red



Recommended method of working

SCHÖNOX PZG with suitable SCHÖNOX thin-bed mortars:

- SCHÖNOX PZG will be laid bubble and wrinkle-free in the fresh tile adhesive, use a 8 mm notched trowel and fill and surface all over with tile adhesive.
- Lay SCHÖNOX PZG with at least 5 cm overlapping.
- In general, the thin-bed mortar is used which is also used for laying the ceramic tiles.
- Alternatively SCHÖNOX RK 20 or SCHÖNOX iFIX™ is suitable for gluing.

SCHÖNOX PZG with suitable SCHÖNOX floor levelling compounds:

- For levelling of wooden planks with subsequent laying of ceramic coverings the subfloor (floor levelling compound) should be reinforced with SCHÖNOX PZG.
- Running-in of floor levelling compound in perimeter joints should be avoided by suitable measures. A bending caused by high loads should be avoided. Massif wooden substrates should be grinded and vacuumed.
- Contact with vertical structures should be avoided by putting in an SCHÖNOX NIVELLIERRANDSTREIFEN.
- A floating construction with chipboard (V 100) as a dry screed is not possible to level. Wooden substrates like fixed wooden planks or screwed chipboards (V 100) should be primed with SCHÖNOX KH, SCHÖNOX KH FIX (undiluted) or SCHÖNOX GEA (epoxy primer).
- Regarding requirements for other substrates see product data sheet of the levelling compound.
- Fasten SCHÖNOX PZG mechanically with a tacker. Lay sheets across to the planks. Cut the sheets with a hook knife, a snap off knife or a scissor.
- Distance to all vertical structures should be at least 3 cm. Hereafter levelling compound is applied.
- The levelling compound is applied in the conventional way or using a pump. To achieve a smooth surface it is recom-

mended to use a spiked roller - length of spikes > 30 mm - whereby the flow of the levelling compound is supported and additional the levelling compound is deaerated.

- The minimum layer-thickness of the floor levelling compound should be taken in account.

Packaging

25,0 m roll (1,0 m width)

Storage

- Store SCHÖNOX PZG cool, dry and upstanding.

Disposal

- For the disposal of product residues, waste water and containers with adherent product residues please follow the local governmental regulations.

The applicable recommendations, guidelines, DIN regulations and safety data sheets are to be observed, together with the recognised 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 Sika management system is certified to ISO 9001 and 14001 by SQS

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