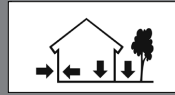




SCHÖNOX® XR 40

Cementitious grouting mortar for hard wearing

pourable cementitious flood grouting mortar for grouting ceramic coverings in areas which are exposed to mechanical load, de-icing salt, mineral oil, high-pressure cleaner and limited chemical loading (Pay attention to list of resistance) For interior and exterior use. Especially suitable for swimming pools, workshops and car washes. SCHÖNOX XR 40 with SCHÖNOX CLIMATRIX®-technology is a component of the SCHÖNOX BALTERRA®-system.



Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- fulfills CG2 WA requirements according to EN 13888
- water-resistant
- frost resistant
- rapid hardening
- slurry
- contains trass
- flexible
- water repellent
- synthetic resin-modified
- high adhesion to flanks
- suitable for application on subfloor heating systems
- hardening without cracks
- resistant against load of high-pressure cleaners (up to 150 °C and 100 bar)
- heavy mechanical load capacity
- very high abrasion-resistance
- compact mortar structure
- contains SCHÖNOX CLIMATRIX®-technology
- component of the SCHÖNOX BALTERRA®-system
- improved chemical resistance compared to cement joint mortars (see list of resistance characteristics)
- fulfills the requirements class 0 according to Ö-norm 3303 (load of de-icing salt)
- resistant against biological waste materials (e.g. urine). See list of resistance characteristics and obtain additional information
- low in chromate according to REACH

Applications

SCHÖNOX XR 40 is suitable for grouting of:

- fully vitrified tiles
- stoneware tiles
- split clinker flags
- floor quarry
- natural stones not sensitive to discolouration

SCHÖNOX XR 40 is suitable for grouting:

- for walls and floors
- on balconies and terraces
- on facades
- in mechanical highly loaded commercial areas
- in permanently wet areas
- in swimming pools in interior and exterior areas
- with traffic buildings like tubes, railway stations and so on
- for catering kitchens, car washes and cold storage houses
- for vibrated floors
- for areas loaded with de-icing salt
- for toilets in common areas, e.g. sports stadiums, restaurants, public buildings such as hospitals, nursing homes, precaution facilities and rehabilitation centres
- for veterinary practices, animal hospitals, slaughterhouses

SCHÖNOX XR 40 is also suitable for chemically loaded areas (see list of resistance characteristics). According to medium and load a SCHÖNOX epoxy resin grout should be preferred.

By grouting on non-slip or rough-surfaced floorings as well as fully vitrified tiles, the remaining bloom must be carefully removed being still fresh (carry out a trial grouting as well as a trial cleaning). In case of polished vitrified tiles, colour pigments can adhere to the micropores in the surface of the slabs. A strong colour contrast between the tiles and the grouts should be avoided.

If there is no information about grouting or pre-treatment of the tiles on the packaging, we recommend asking the manufacturer about factory pre-treatment. In case no factory pre-treatment is existent or in case of doubt a trial grouting has to be carried out, respectively a cleaning agent manufacturer has to be contacted concerning grouting assistance / impregnation.

Technical data

- Pot life: approx. 30 minutes at +20 °C
- Ready for foot traffic: after approx. 3 hours
- mechanically loadable: after approx. 3 days
- Chemical resistant: after approx. 7 days
- Application temperature: not below +5 °C
- Joint width: from 2 to 40 mm
- Material consumption: 0,4 - 5,0 kg/m², depending on tile size and size of the grout
- Color: grey
- Temperature resistance: -20 °C up to +250 °C



SCHÖNOX® XR 40

Requirements of substrate

- Flanks of joints must be clean and free of separating substances.
- Immediately after laying, raking-out the joints to tile thickness evenly.
- The point for grouting tiles laid according to the thin-bed method is depending on the used tile adhesive and is in-between 3 and 24 hours. In the case of large-format tiles, the time until the tile adhesive has hardened can affect the substrate's absorbency and the climatic conditions. If necessary, fast-setting SCHÖNOX tile adhesives must be included.
- Using the thick-bed method, the mortar must be sufficiently hard and dry, grouting at the earliest after 7 days.

Mixing ratio

- For 15,0 kg SCHÖNOX XR 40 approx. 2,7 l water

Recommended method of working

- Using a clean receptacle, add SCHÖNOX XR 40 to cold clean water to form a homogeneous mixture. Use of a mixer with 600 rpm is recommended.
- The grout mortar is deeply inserted into the grout with a slurry consistency using a rubber squeegee, sponge board, hand sponge or grout float.
- To achieve an optimum filling of the joint, repeat the grouting, avoid to powder the joints.
- After the grout mortar starts setting (finger test) use a sponge board for washing the outlines and cleaning.
- For clean and rapid grouting we recommend using a grouting box.

Packaging

- 15,0 kg paper sack

Storage

- Store SCHÖNOX XR 40 in cool, dry conditions.
- Storage life of 1 year (in closed packaging).
- Opened packages should be closed immediately and used up as soon as possible.

Disposal

- Empty packaging completely and dispose of in accordance with regulations
- For the disposal of product residues, waste water and containers with adherent product residues please follow the local governmental regulations.

EMICODE

- EC 1^{PLUS}: very low emission

GISCODE

- ZP1 - cement products, low in chromate

EPD - Self-declaration

Sika Deutschland GmbH declares that the product fullfills the criteria for modified mineral mortars of group 1.

ENVIRONMENTAL PRODUCT DECLARATION

acc. to ISO 14025 and EN 15804

Owner of declaration

FEICA - Association of the European Adhesive and Sealant Industry

Editor

Institut für Bauen und Umwelt e.V. (IBU)

Program owner

Institut für Bauen und Umwelt e.V. (IBU)

Number of declaration

EPD-FEI-20160017-IBG1-EN

Date of issue

23.05.2016

Valid until

22.05.2022

Instructions

- Protect ceramic coverings during and after grouting against direct sunlight and draughts.
- Clean tools in water immediately after use.
- All values are approximate and are subject to local climatic fluctuations.
- All information applies to standard conditions.
- SCHÖNOX XR 40 contains cement. Alkaline reaction when it comes in contact with moisture, therefore protect skin, eyes and respiratory system. Do not breathe in dust. In case of contact

rinse immediately with plenty of water. In case of contact with eyes seek additional medical advice.

- Uneven effects of moisture caused by, e.g. the substructure, mortar bed or covering may result in colour shading in the structure of the grouts. This does not effect the quality of the grouting material and may increasingly normalize if the environmental conditions are good. We do not accept any warranty for differences in the colour tone.
- The use of SCHÖNOX XR 40 does not replace the necessity for sealing measures.
- When selecting the grouting, we recommend always observing the water-absorption capacity of the ceramics as well as the specifications of the ceramics manufacturer.
- Slight colour deviations are possible. Therefore use only grout mortar with the same lot number on the same object.
- The grouting with SCHÖNOX XR 40 is limited acid-proof.
- For care and cleaning of the grouted surfaces, we recommend using neutral cleaning agents. After cleaning, the surface should be rinsed with clear water.
- The surfaces should be wetted before using acidic cleaning agent in order to close the pores with water. After cleaning, the surfaces should be rinsed with water to neutralise them.
- Permanent contact with urine may cause discolourations and blooming of the joint. Please obtain additional information and technical support.
- The compatibility list is available on request and on the Internet for download.
- Areas which are grouted with SCHÖNOX XR 40 can be cleaned with household steam cleaners (without using scrubbers) 7 days after grouting.

SCHÖNOX® XR 40

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.



REGR. NO. 31982

The Sika management system is certified to ISO 9001 and 14001 by SQS

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