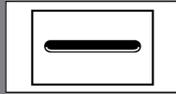
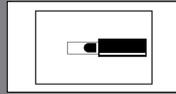
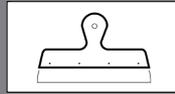




SCHÖNOX® RDF

Renovation and decoration finish

SCHÖNOX RDF is a resin modified special white levelling compound, based on white cement. Especially suitable for levelling walls and ceilings in restructuring and renovation. SCHÖNOX RDF is characterised by a brilliant grindability.



Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- for interior use
- very sturdy
- highly fillable
- quality level Q1 - Q4 according technical bulletin No. 2 of "Bundesverband der Gipsindustrie"
- good bonding to nearly all substrates
- in many cases no priming required
- very smooth application
- diffusion-permeable
- very good grindable
- can be polished and smoothed very easy
- safe application and multi-purpose use
- fine-grained
- highly synthetic-resin modified
- low tension/stress
- drying by hydration
- low consumption / high coverage
- not supporting corrosion
- low in chromate according to REACH

Applications

SCHÖNOX RDF is suitable for filling, smoothing and full-surface levelling of:

- coarse substrates
- ceiling and wall surfaces
- unevenly sanded, rubbed or polished surfaces
- plaster projections
- surfaces with bubbles
- gypsum plaster board joints with and without reinforcing strips
- joints in prefab ceilings
- large holes or slots

As preparation of substrate for carrying of wallpapers, paints, dispersion-plasters and linings.

Substrates

SCHÖNOX RDF is suitable for filling, smoothing, evening and levelling without a primer of:

- concrete
 - cement plaster, lime-cement plaster (CS I - CS IV according to EN 998-1)
 - dry construction elements
 - old ceramic coverings
 - Water resistant, tight emulsion paints, acrylic lacquers or alkyd resin lacquers
 - Old latex- and acrylate paints
 - Coated fabric- and glass fibre wallpapers
 - Decor plaster
 - masonry
- as well as for filling, smoothing, evening and levelling with a primer of:**
- gypsum plaster (according to EN 13279-1)

On dense and non-absorbent substrates, e.g. ceramic tiles, apply SCHÖNOX RDF in a minimum layer thickness of ≥ 1 mm. Alternatively, for smaller layer thicknesses, pre-treat the substrate with SCHÖNOX SHP or SCHÖNOX VD.

Requirements of substrate

- Adequate strength, load bearing capacity, dimensional stability and permanent dryness.
- Clean, free from exudation marks, sinter layers, separating agents, parts stimulating corrosion or other disturbing layers.
- Separation layers, sinter layers, and other similar contamination should be removed through appropriate measures.
- Non-stable, old coatings, e.g. distemper, should be removed.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

Priming

- **highly absorbent substrates:** prime with SCHÖNOX VD (1:3).
- **calcium sulphate substrates such as:** - gypsum plaster

Technical data

- Basis: white cement with special synthetic hardening
- Pot life: approx. 30 minutes at 20 °C
- Color: white
- Drying time: up to 10 mm after 24 hours suitable for paperhanging, painting as well as for applying synthetic resin plaster
- Application temperature: not below + 5 °C
- Material consumption: approx. 1,0 kg/m²/mm

All values are approximate and are subject to climatic fluctuations.



SCHÖNOX® RDF

prime with SCHÖNOX VD (1:1, Further treatment after complete drying, approx. 60 minutes).

■ non-absorbent, smooth, sound

substrates:

prime with SCHÖNOX SHP or SCHÖNOX VD.

Mixing ratio

- For 20,0 kg SCHÖNOX RDF approx. 9,2 l water
- For 4,0 kg SCHÖNOX RDF approx. 1,8 l water

Extended levelling compound:

The additive is added last.

Bulking material approx. 50 wt.% SCHÖNOX QUARZSAND 0 - 3 mm

Recommended method of working

- Using a clean receptacle, add SCHÖNOX RDF to cold clean water to form a homogeneous mixture.
- Do not mix more material than can be handled within 30 minutes.
- Apply and smooth the levelling compound using a stainless steel smoothing trowel.
- SCHÖNOX RDF can be applied as well in thicker layers in one step.
- After start of hardening, retouching work such as smoothing is possible.
- By decelerated smoothing or two times application a formation of pores/pinholing on e.g. concrete can be minimised.
- Drying time depends on layer thickness.
- At low temperatures and/or higher humidity, longer drying times are necessary.
- For filling deepenings adjust a stronger consistency as for full-surface levelling.
- With SCHÖNOX RDF it is possible to do levelling work in one step, because of its excellent grindability.
- If a second layer of levelling compound is to be applied, the first levelling compound layer should be primed with SCHÖNOX VD (1:1) when dry.
- In case of spot levelling, attention must be paid to the alkalinity of the substrate

for subsequent coatings or wall coverings.

- Do not fluate or apply mineral colours to surfaces filled with SCHÖNOX RDF.
- Prior to applying paints, synthetic resin plasters, wallpaper and wall coverings, consult the manufacturer's processing recommendations.
- In case of high load or critical substrates, we recommend the insertion of an alkali-proof reinforcing mat (SCHÖNOX ARMIERUNGSGEWEBE).
- Clean tools in water immediately after use.

Packaging

- 20,0 kg paper sack
- 4.0 kg paper sack (4 pieces per unit)

Storage

- Store SCHÖNOX RDF in cool, dry conditions.
- Storage life of 9 months (in closed packaging).
- Opened packages should be closed immediately and used up as soon as possible.

Disposal

- Empty packaging of all trickles and dispose of in accordance with the 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 fulfills 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

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Date of issue

23.05.2016

Valid until

22.05.2022

Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- SCHÖNOX RDF 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.
- Please follow the relevant product data sheets when using complementary products. If in doubt, we recommend obtaining further information from the manufacturer.

SCHÖNOX® RDF

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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