



RAMSAUER®
DICHTSTOFFE

1240 FLEX

DICHTUNGSSCHLÄMME

(FLEX SLURRY SEAL)

TECHNICAL DATA

Processing temperature: +5°C to +25°C
Quantity of water for mixing: 180 to 260 ml/kg; 3.6 to 5.2 litres per 20 kg
Bulk density: 1.5 g/cm³
Thickness of wet coat: 2.5mm (corresponding to a dry coat of 2mm thickness)
Ready for use: 3 minutes after mixing
Suitable for processing: for approx. 1 hour
Water vapour diffusion resistance factor μ : 500
Diffusion equivalent air layer thickness s_d at 2mm: 1.00 m
Laying of tiles etc.: after 1 day
Time required until finally waterproof: min. 7 days
Storage life: 6 months in a cool and dry place in original container
Packaging: 20 kg bags, 50 bags per pallet
Minimum thickness of dry layer: 2 mm
Recommended thickness of wet layer: 3 mm (including thickness supplement)

CHARACTERISTICS

Flexible, 1-component slurry seal for composite sealing and sealing building structures.

Slurry seal capable of bridging cracks, cures without cracks; after curing it is absolutely water tight and open to vapour diffusion, frost-, and ageing resistant. 1240 FLEX DICHTUNGSSCHLÄMME is a single-component product which is mixed with water and stirred on site forming a ready-



for-use sealing material which can be applied conveniently by means of a brush, roller, spreader, or by spraying. The product is resistant to aggressive effects on concrete according to DIN 4030. Tested according to the testing principles for granting a General Building Supervision Test Certificate (German "AbP") in connection with ceramic flooring, tiling, etc.

APPLICATION

Suitable for sufficiently solid substrates such as wash floors with or without heating, concrete, brickwork, porous concrete, and plaster of mortar groups II or III. For sealing under ceramic flooring, tiling, etc. subjected to high stress according to stress classes A and B as defined in the German testing rules for indoor and outdoor wall and floor surfaces "abP-AIV-F" (acronym for General Building Inspection Test Certificate - composite sealing with tiles and slabs); and moderate stress for moisture stress classes A0 und B0 according to the instruction sheet of the Central Association of the German Building Industry ("ZDB-Merkblatt"). The product is suitable for being used in water exposure classes W1E soil humidity and non-

pressing water, and W4-E base area as well as horizontal sealing in and under walls according to DIN 18533; suitable for sealing indoor areas for water exposure classes up to W3-I according to DIN 18534; for sealing swimming pools and water tanks built as solid structures according to DIN 18545 both indoors and outdoors in water exposure class W1-B up to a water depth of 5 m.

For sealing of balconies and terraces in combination with tiles. Meets the requirements of stress classes up to W6 according to Austrian standard ÖNORM B 3407, except for areas subjected to high chemical stress such as food-processing plants, laboratories, commercial kitchens, etc.

PREPARATION OF THE SUBSTRATE

The substrate must be solid, stable, and largely level. Remove any oil, grease, parting agents, etc. Gravel pockets, voids, and any unevenness larger than permitted under DIN 18202 must be levelled out by means of a mineral filler. Cement substrates

- Cement floor: 2 %

must be wetted well before applying 1240 FLEX DICHTUNGSSCHLÄMME. Apply a suitable primer to any other substrates; refer to the application table. The surface should be moist and mat, avoid the formation of pools. The residual moisture must not exceed the following values:



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- Anhydrite screed: 0.5%
- Anhydrite screed, heated: 0.3%

PROCESSING

In order to avoid the formation of lumps during mixing it is recommended to initially take about 2/3 of the quantity of water needed to achieve the desired consistency, and to mix with a suitable stirrer at approx. 600 min⁻¹. Add the rest of the water after the material has dissolved. The mixed product must be used within one hour. After the mixture has started to solidify do not try to make it usable again by adding water. Do not use any additives to modify 1240 FLEX DICHTUNGSSCHLÄMME. Apply 1240 FLEX DICHTUNGSSCHLÄMME generously and evenly 2 to 3 times by means of a sturdy brush, swab, smoothing trowel or with suitable spraying equipment.

Pipe duct entrances and discharges must be sealed with

Ramsauer wall and floor sleeves, corners with Ramsauer Flex Innenecke for inner corners and Flex Aussenecke for outer corners, and wall-floor connections must be sealed with flexible tape 1260 FLEXBAND PRO. These sealing materials must be inserted into the first layer while it is fresh and covered with the second layer. The thickness of the applied layer must not exceed 5 mm.

In applications with pressing water according to DIN 18535 the minimum thickness of the dry layer is 2.5mm. The recommended thickness of the wet layer including supplementary thickness is 3.5 mm For this purpose apply at least three layers of slurry seal.

CONSUMPTION

Consumption is approx. 1.2 kg per square metre per mm thickness of the coat.

CURING TIME

The curing time depends on the ambient temperature and temperature of the building structure, air movement, humidity, and thickness of the coat. At +20°C and a relative humidity of 50 % the curing time is approximately 3 hours.

ADVICE FOR SUBSEQUENT WORK

Application as a composite seal under tiles:

After approx. 24 hours it is possible to lay ceramic tiles on the slurry seal 1240 FLEX DICHTUNGSSCHLÄMME applying a thin layer of Sakret Flex Tile Adhesive FFK. By that time,

walking on the seal is possible. Swimming pools sealed with the product should be filled for testing purposes before laying tiles, however not earlier than 7 days after sealing. Ceramic tiles must be laid without any voids when working outdoors.

CLEANING TOOLS AND EQUIPMENT

Tools and contaminated areas must be cleaned with water immediately after using the product.

HAZARD WARNINGS

Since the product contains cement it is classified as a hazardous substance within the meaning of the German Hazardous Substances Ordinance (*"Gefahrstoffverordnung"*). Hazard warnings: Irritating to eyes and skin. Keep out of the reach of children. Do not breathe dust. Avoid contact with eyes

and skin. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Wear suitable gloves during work. If swallowed seek medical advice immediately and show package or label.

SAFETY AND DISPOSAL ADVICE

Consult the current EC Safety Data Sheet which is available at any time on our website at www.ramsauer.at. The cured

product can be disposed of in the same way as building rubble. For further information consult the safety data sheet.

LIABILITY FOR DEFECTS

The information provided including but not limited to the proposals for processing and using our products is based on our knowledge and experience, usually at the time of going into print. The results of work may deviate from this information depending on the specific circumstances, in particular with respect to substrates, processing and environmental conditions. Therefore, neither this information nor any oral counselling shall constitute warranty or give rise

to any liability on whatever legal ground for any specific result of work, unless we acted intentionally or by gross negligence. Ramsauer warrants that its products will have the technical characteristics according to the Technical Data Sheets up to their expiry date.

Product users must consult the latest data sheet which is available upon request. Our current General Terms and Conditions apply which are available for download on our website www.ramsauer.at.



QUALITY YOU CAN RELY ON

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