



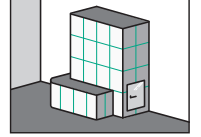
RAMSAUER®

420

LASTING BONDS.

Kachelofen

1-component acrylic emulsion sealant



Technical data sheet

Version: 11-2023

Tests:

· Fulfils the French VOC requirement Class A+



1. Mechanical Properties

Basis	Acrylic based
Skin formation time	~ 5 Min. (23°C/50% relative humidity)
Full curing time	~2 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.54 (EN ISO 1183-1)
Shore A hardness	~ 40 (DIN EN ISO 868)
Volume shrinkage	~ 18% (EN ISO 10563)
Elongation at break	~ 50% (DIN EN ISO 8339)
Resistance to high and low temperatures	-20°C to +180°C (short-term)
Application temperature (substrate, environment)	Lower +5°C, upper +35°C
Colours	As per current colour card
Packaging	310 ml cartridge, other containers on request
Shelf life of cartridges and foil bags	18 months in original packaging in cool, frost-free and dry storage conditions
Shelf life of industrial container	6 months, cool, frost-free and dry in sealed original container

2. Properties

420 Kachelofen is a temperature-resistant, ready-to-use plasto-elastic acrylic sealant with excellent adhesion to stove tiles and all absorbent substrates.

3. Priming table

not applicable



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4. Application

420 Kachelofen is particularly suitable for grouting tiled stoves and their connections to masonry, etc.

5. Meets the requirements of IVD instruction sheet

not applicable

6. Processing

General instructions: The expiry date of the material must be observed, otherwise the stated mechanical properties of the product can no longer be guaranteed. Observe the ambient temperature and substrate temperature. **Pretreatment of the adhesion surfaces:** The adhesion surfaces must be load-bearing, dry, and free of dust, grease, and oil. **Application of the sealant:** Cut the cap of the threaded nipple on the cartridge off straight. Screw on spray nozzle and cut off at an angle to match the width of the joint. After cutting the nozzle, use it to fill the joints generously; then smooth and compact using a suitable smoothing tool or sponge. **Rework:** Carefully wipe away excess material with clean water. A rough surface can be created approx. 20 minutes later with a damp brush or sponge. **CAUTION:** 420 Kachelofen must be protected against the effects of moisture or solvents until a firm skin has formed (approx. 24 hours) and can be recoated after approx. 24 hours in line with DIN 52452. As a general rule, the material should only be overpainted after complete curing. The tiled stove may only be put into operation after the sealant has cured completely (2-3 weeks). The joint sealant must not be used to grout the heating door.

7. Application restrictions

Caution: The sealant should be matched to the coating where possible. Compatible with coatings with an aqueous basis in most cases. Due to the large number of different coating systems, we recommend checking compatibility in advance. Too early overpainting or expansion of the joint can lead to the coating cracking. Note that heating too early and/or at too high a temperature can cause discolouration of the sealant.

8. Safety instructions

Please refer to the current EC safety data sheets. Data sheets are available at any time from our website at www.ramsauer.eu.

9. Application notes

Good ventilation must be ensured during processing and curing. Due to the large number of possible influences during processing and application, the processor must always carry out a test processing before use. Note the expiry date of the material. 1-component sealants are not suitable for full-surface bonding. The curing speed increases with increasing coating thickness. If the 1-component material is used in coating thicknesses of more than 15 mm, please contact our application engineering department. During the curing/drying phase, the colour of acrylates changes due to the material - the final colour is only achieved after complete drying. If the products are stored and/or transported over a longer period of time (several weeks) at higher temperatures/humidity, the shelf life may be reduced or the material properties may change.



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10. Liability for defects

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