



**RAMSAUER®**

# 425

**LASTING BONDS.**

## Struktur Acryl

**1-component acrylic emulsion sealant**

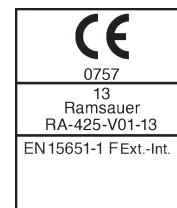


### Technical data sheet

Version: 11-2023

#### Tests:

- DIN EN ISO 15651-1 F12.5P
- Emission EC1<sup>PLUS</sup> "very low emissions"
- Fulfills the French VOC requirement Class A+



### 1. Mechanical Properties

Basis	Acrylate sealant
Full curing time	~1 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.61 (EN ISO 1183-1)
Shore A hardness	~ 24 (DIN EN ISO 868)
Volume shrinkage	~ 20% (EN ISO 10563)
Resistance to high and low temperatures	-20°C to +80°C (long-term exposure)
Application temperature (substrate, environment)	Lower +5°C, upper +35°C
Admissible total deformation	12.5%
Colours, (grain size in mm)	White, fine (0.5-1.0 mm), coarse (0.7-1.6 mm) structure
Packaging	310 ml cartridge
Shelf life of cartridges and foil bags	12 months in original packaging in cool, frost-free and dry storage conditions

### 2. Properties

425 Struktur Acryl is a high-quality, plasto-elastic, granular, acrylic filler. 425 Struktur Acryl forms a surface skin after only one hour (depending on the ambient temperatures/conditions) and hardens into a plasto-elastic material in approx. 1 - 2 weeks, depending on the ambient temperature. 425 Struktur Acryl is virtually odourless and coatable in line with DIN 52452 after curing.

### 3. Priming table

not applicable

### 4. Application

Preferred applications of 425 Struktur Acryl for cracks or joints in structured masonry surfaces such as rough plaster, wash plaster, structured plasters, etc., with different sand grain sizes.



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### 5. Meets the requirements of IVD instruction sheet

No. 12	Overpaintability of motion-compensating sealants in building construction. Requirements and impacts.
No. 16	Perimeter joints in dry construction. Possible applications of sprayable sealants
No. 20	Joint seal on wooden components and wood-based materials. Possible applications of sprayable sealants
No. 29	Jointing work in the painting and decorating trade

### 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:** Correct joint dimensions and pretreatment of the adhesion surfaces are essential for perfect sealing work. The adhesion surfaces must be dry, capable of bearing, and free of dust, oil and grease. Pretreat by scraping out the cracks, cleaning the flanks and removing loose parts; moisten slightly. We recommend an adhesion test in advance. **Applying the sealant:** Strukturacryl must be injected so as to exert sufficient compression on the joint flanks. Work the material with a smoothing tool before the skin forming time. Protect the joint sealant against washing out, condensation and mist. Processing with manual or compressed air presses. Clean the tools you use with water immediately after use.

### 7. Application restrictions

**Caution:** Until a firm skin has formed (approx. 12 hours), the product must be protected against rain and solvents; can be painted over after approx. 24 hours. However, as a general rule, the material should only be overpainted after complete curing. Expanding the joint can lead to the coating cracking. The sealant should be matched to the coating where possible. Due to the large number of different coating systems, we recommend checking compatibility in advance. Can be painted over with emulsion paints, synthetic resin paints and most facade paints. For special applications, please contact our Technical Hotline. Not suitable for permanent exposure to water. Protect against frost during transport and storage. Avoid contact with materials containing bitumen and/or that emit softeners. Lower temperatures and/or high humidity can significantly change the curing times.

### 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](http://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. 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.

### 10. Liability for defects

The information, in particular the suggestions for the processing and use of our products, is based on our knowledge and experience in normal use cases at the time of printing. Depending on the specific circumstances, in particular with regard to substrates, processing and environmental conditions, the results may differ from this information. Therefore the guarantee of a work result or a liability, for whatever legal reasons, can be justified neither from these references, nor from a verbal consultation, unless we are guilty of intent or gross negligence in this respect. Ramsauer guarantees that its products comply with the technical properties specified in the technical data sheets until the expiry date.

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