



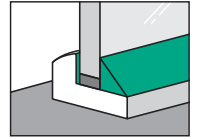
**RAMSAUER®**

# 430

LASTING BONDS.

## Dreieck Fase

1-component hybrid sealant



SILICONE FREE



### Technical data sheet

Version: 11-2023

#### Tests:

- Complies with DIN 18545-2 Class A
- Fulfils the French VOC requirement Class A+

## 1. Mechanical Properties

Basis	Hybrid MS polymer sealant
Skin formation time	~ 5 Min. (23°C/50% relative humidity)
Full curing time	~2.2 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.56 (EN ISO 1183-1)
Shore A hardness	~ 70 (DIN EN ISO 868)
Volume shrinkage	~ 1.8% (EN ISO 10563)
Tear propagation resistance	~ 20.5 N/mm (ISO 34-1)
Tensile stress at break	~ 3.2 N/mm <sup>2</sup> (DIN 53504-1 S2)
Module	~ 2.8 N/mm <sup>2</sup> (DIN 53504-1 S2)
Elongation at break	~ 150% (DIN 53504-1 S2)
Resistance to high and low temperatures	-40°C to +90°C (long-term exposure)
Application temperature (substrate, environment)	Lower +5°C, upper +35°C
Admissible total deformation	12.5%
Colours	White, brown
Packaging	310 ml cartridge; 400 & 600 ml foil bag
Shelf life of cartridges and foil bags	12 months in original packaging in cool and dry storage conditions
Shelf life of industrial container	6 months, cool and dry in sealed original container

## 2. Properties

430 Dreieck Fase is a sealant for all cases in which the triangular chamfer in wooden frames with putty no longer meets the defined requirements. Due to its special viscosity setting, the material is also excellent for processing in case of large chamfers. The material does not need to be painted and provides reliable resistance to weathering. 430 Dreieck Fase forms a skin after approx. 5 minutes and cures after approx. 48 hours. However, to protect the surface from contamination, the chamfer can be painted over with a paint suitable for the system (water-thinnable coating system). Paint-compatible as per DIN 52452.



**RAMSAUER®**

# 430

LASTING  
BONDS.

## Dreieck Fase

### 3. Priming table

not applicable

### 4. Application

430 Dreieck Fase is suitable for group 1 of the load table published by Institut für Fenstertechnik e.V. (Window Technology Institute) Rosenheim. 430 Dreieck Fase is specially designed for re-glazing box-type and composite windows. For applications with laminated glass and/or insulating glass units, please consult our application engineering department.

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

No. 29	Joint work in 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. Before applying, it must be ensured that all building materials in the contact area are compatible with the sealant. **Pretreatment of the adhesion surfaces:** The adhesion surfaces must be load-bearing, dry, and free of dust, grease, and oil. If required, carefully pretreat the adhesion surfaces using a suitable primer. **Joint design:** Processing must comply with the regulations of DIN 18545, class A. 430 DREIECKFASE adheres to many substrates without priming. Support blocks and fastening pins must be attached in line with standards. Make sure that they are attached parallel to the glazing (not at an angle to the glazing) to prevent conchoidal fracture of the glass edge. At these points, stresses caused by rapid curing of the sealant can cause cracks. The pins must be placed deep enough to prevent them raising to the surface after the material has cured. The triangular chamfer is easily applied with a suitable nozzle and must be scraped and tooled within about 5 minutes. Applying a brushable water-based coating compatible with the system is recommended to protect the surface (to avoid contamination). **After applying:** Contamination from adjacent substrates must be cleaned up when fresh, this is also recommended for contaminated processing equipment.

### 7. Application restrictions

**Caution:** When coating the sealing compound with alkyd resin paints, incompatibilities may occur (curing problems, sticky surfaces, discolourations, etc.). In the case of surfaces painted in a light colour, the window sashes must be stored upright after sealing to allow for exhaust ventilation – minimum distance 5 cm (risk of discolouration). Avoid contact with materials containing bitumen and plasticisers, e.g. butyl, EPDM, neoprene, insulating paints or bituminous coating, etc. Environmental influences (e.g., high temperature, UV exposure, chemical influences such as vapours, etc.) can affect the colours, but this has no negative effect on the product properties. In case of bonded joints exposed to UV, or for sealing glass, please contact our application engineering department. Before applying, the user must ascertain that the building materials (solid, liquid or in gaseous form) are compatible with the sealant in the contact area. In applications with insulating glazing, compatibility with the edge sealant system in use must be checked in advance.

### 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.



**RAMSAUER®**

# 430

**LASTING  
BONDS.**

# Dreieck Fase

## 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.

Product users must consult the latest technical data sheet, which can be requested from us. Our current General Terms and Conditions apply, which you can download at any time from our homepage at [www.ramsauer.eu](http://www.ramsauer.eu). On publication of a new version/revision of the technical data sheet, all previous versions of the respective product lose their validity.