

CENUSIL[®] M 825 A/B

Room Temperature Curing Silicone Rubber (RTV-2)

Pourable, addition-curing RTV-2 silicone rubber that cures at room temperature.

Main application: Making molds for concrete casting.

Food contact (FDA/ BfR compliant).



Properties

- Excellent flowability and self-deaeration
- High tear strength
- Low hardness (Shore A 25)
- Mixing ratio of 1:1 for straightforward processing
- Fast and non shrink cure at room temperature which can be accelerated considerably by the application of heat
- Excellent long-term stability of the mechanical properties of the vulcanizate
- Good resistance to common reproduction materials

Specific features

- Addition Curing
- BfR compliant
- Fast curing at room temperature
- FDA compliant
- Flowable
- Low viscosity
- No chemical shrinkage
- Two-component

Technical data

Properties Uncured

| Property | Condition | A | B | Method |
|--------------------|-----------|------------------------|------------------------|-------------------|
| Color | - | white | translucent | - |
| Density | 23 °C | 1.05 g/cm ³ | 1.05 g/cm ³ | DIN EN ISO 2811-1 |
| Viscosity, dynamic | 23 °C | 8000 mPa·s | 8000 mPa·s | ISO 3219 |

These figures are only intended as a guide and should not be used in preparing specifications.

Properties Catalyzed A+B

| Property | Condition | Value | Method |
|--------------------------|-----------|--------|-----------------|
| Mix ratio | - | 1 : 1 | - |
| Pot Life ⁽¹⁾ | 23 °C | 60 min | DIN EN ISO 2555 |
| Demoldable at 23°C after | - | 6 h | - |

¹up to 60000

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Properties Cured

| Property | Condition | Value | Method |
|---------------------|-----------|---------------------|---------------|
| Color | - | white | - |
| Tear strength | - | 20 N/mm | ASTM D 624 B |
| Hardness Shore A | - | 25 | DIN ISO 48-4 |
| Tensile strength | - | 5 N/mm ² | ISO 37 type 1 |
| Elongation at break | - | 450 % | ISO 37 type 1 |

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Reproduction Molding

Application details

Due to its good resistance to all common reproduction materials, e.g. casting resins, concrete, as well as the superior mechanical properties, CENUSIL® M 825 A/B is especially suitable for all molds of models with extensive undercuts.

As a low-Shore A addition silicone rubber that cures without undergoing dimensional shrinkage, CENUSIL® M 825 A/B is also suitable if absolutely accurate copies of models are required.

Packaging and storage

Packaging

- CENUSIL® M 825 A 20 KG HOBBOCK PE
- CENUSIL® M 825 A 200 KG DRUM SB
- CENUSIL® M 825 B 20 KG HOBBOCK PE
- CENUSIL® M 825 B 200 KG DRUM SB

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Components A and B of the addition-curing grade CENUSIL® M 825 A/B contain only constituents that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i.e., only the general industrial hygiene regulations apply.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code CENUSIL® M 825 A/B



For technical, quality or product safety questions, please contact:

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