

US-880

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Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 7 min
Curing speed * (20°C / 65% R.H.)	Ca. 2 mm/24h
Hardness	25 ± 5 Shore A
Density	1,03 g/ml
Elastic recovery (ISO 7389)	> 90 %
Maximum allowed distortion	25 %
Temperature resistance	-60 °C → 180 °C
Max. tension (DIN 53504)	2,00 N/mm ²
Elasticity modulus 100% (DIN 53504)	0,48 N/mm ²
Elongation at break (DIN 53504)	800 %
Application temperature	5 °C → 35 °C

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Product description

US880 is a high quality, elastic, 1-component sealant based on silicones. US880 is suitable for the construction of aquaria and terraria.

Properties

- Very easy to apply
- Colourfast and UV resistant
- Permanent elastic after curing
- Very good adhesion on glass
- Completely neutral after curing

Applications

- Construction of full glass aquaria and terraria.
- Bonding of glass constructions.
- Repairing of all-glass aquariums.

Packaging

Colour: transparent, black
Packaging: 310 ml cartridge

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Substrates

Substrates: glass

Nature: clean, dry, free of dust and grease.

Surface preparation: No pretreatment required

We recommend a preliminary compatibility test.

Application method

Application method: With manual- or pneumatic caulking gun.

Cleaning: Clean with white spirit or immediately after use.

Finishing: With a soapy solution or before skinning.

Repair: With the same material

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label for more information.

Remarks

- Even though US880 is an acetic silicone, the product is not poisonous to animals after curing so that all types of aquaria can be constructed which can be populated by all sorts of fish.

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Uniseal reserves the right to modify products without prior notice.

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- Only suitable for aquaria built according to DIN32622: max. dimensions 200 x 60 x 60 cm, use the correct thickness of glass.
- Add sufficient reinforcements to avoid bending of the glass.
- Minimum bond thickness should be 1 mm. Never fill the aquarium until full cure.

Environmental clauses*Leed regulation:*

US880 conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED® 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. She is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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