

## PRODUCT DATA SHEET

# SikaSeal<sup>®</sup>-401 Aquarium

### PREMIUM ONE-COMPONENT AQUATIC LIFE SAFE SILICONE SEALANT

#### DESCRIPTION

SikaSeal<sup>®</sup> 401 Aquarium is a premium one-component room temperature vulcanising (RTV) silicone rubber that is safe for aquatic life and designed for sealing applications in aquariums, ponds and water pumps. It adheres very well to glass and aluminium, is UV resistant and has excellent gap filling properties.

#### USES

- Fish tanks
- Water pumps
- Aluminium
- Glass

#### CHARACTERISTICS / ADVANTAGES

- Extreme temperature resistance (-50°C to +250°C)
- Excellent vibration, UV and weathering resistance
- Good gap filling properties
- Highly versatile
- Easy to apply
- Aquarium safe

#### PRODUCT INFORMATION

|                                |   |
|--------------------------------|---|
| <b>Composition</b>             | 1-C Silicone (acetoxy)  |
| <b>Packaging</b>               | 75g Tube, 12 Tube per box   |
| <b>Colour</b>                  | Clear   |
| <b>Shelf life</b>              | 18 months from date of production if in undamaged and unopened original sealed containers and stored according to the storage conditions. |
| <b>Storage conditions</b>      | Must be stored in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.                              |
| <b>Density</b>                 | ~1.02 kg/l  |
| <b>Shore A Hardness</b>        | ~23   |
| <b>Tensile Strength</b>        | 1.0 N/mm <sup>2</sup>   |
| <b>Secant Tensile Modulus</b>  | 1.1 n/mm <sup>2</sup>   |
| <b>Elongation at Break</b>     | ~500%   |
| <b>Ambient Air Temperature</b> | +5°C to +45°C   |
| <b>Curing Rate</b>             | ~3mm per 24 hours   |
| <b>Skinning time</b>           | ~7-10 minutes   |

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Ensure all surfaces are clean, dry and free from dust, grease and loose material. Remove all old gasket material from mating surfaces before cleaning with a residue free solvent and allow to completely dry.

### APPLICATION METHOD / TOOLS

Cut the nozzle at a 45° angle to the desired bead size (3 mm is suitable for most applications) then apply a continuous and even bead along the joint.

**Once the material has cured, the tank needs to be rinsed with water twice and then left for seven days prior to any fish being put in.**

### CLEANING OF EQUIPMENT

Uncured, excess SikaSeal® 401 Aquarium may be removed with Sika® Remover- 208 or another suitable solvent. Once cured, the excess sealant can be trimmed away from the edges with a knife.

## IMPORTANT CONSIDERATIONS

### Limitations

SikaSeal® 401 Aquarium is not recommended for use in applications where it will be permanently exposed to temperatures exceeding 250°C or in contact with fuels. The above information is offered for general guidance only.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

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### Product Data Sheet

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## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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