



# TEKAFIKS

## *For aquarium*



TEKAFIKS for aquarium is a permanently elastic, silicone, one-component sealant on acetic basis for the construction of aquarium

### PROPERTIES

- Great adhesion to glass, ceramics, glazed surfaces, aluminum and copelit glass
- Does not slump in vertical joints
- Good characteristics
- Movement accommodation up to 20%
- Resistant to various weather conditions raion, snow, extreme temperatures
- Chemical resistant
- UV resistant
- Low volume loss in hardening
- Releases acetic acid when hardening
- Long storage time
- When hardened it is physiologically perfect
- Colour: transparent, black

### USE

- For the construction of aquarium
- For sealing larger glass constructions
- Sealing glass, ceramics and aluminum

### TECHINCAL DATA

#### Uncured sealant

Basis		acetic acid silicone
Form		paste
Curing mechanism		moisture curing
Specific gravity		1030 ± 10 kg/m <sup>3</sup>
Skin formation time	23°C/50% rel. humid	10 - 20 min
Hardening time	23°C/50% rel. humid	2 mm/day
Resistance to flow	ISO 7390	0 mm
Application temperature		+5°C to+ 40°C

#### Hardened sealant

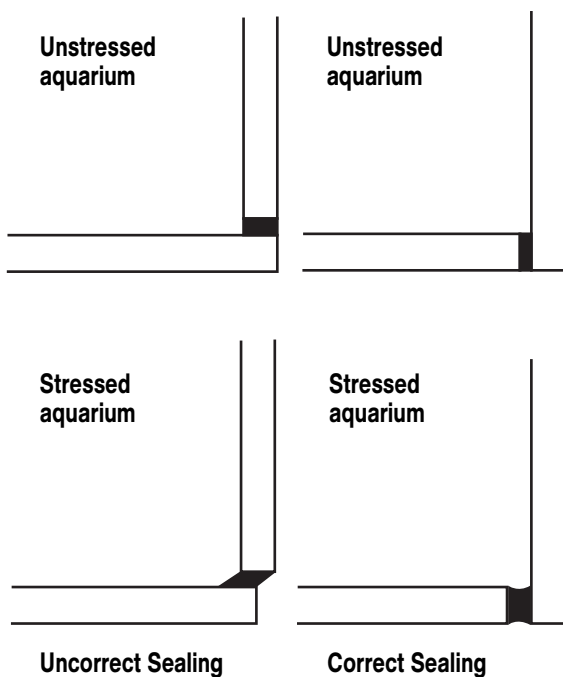
Hardness Shore A	ISO 868	20 - 30
Tensile Streight	ISO 8339	0,50 - 0,60 MPa
Module E 100%	ISO 8339	0,40 MPa
Elongation at break	ISO 8339	150 - 200%
Elongation Hardness	ISO 37 rod 1	> 1,70 MPa
Elongation at break	ISO 37 rod 1	> 300%
Change in volume	ISO 10563	< 10%
Elastic recovery	ISO 7389	98%
Temperature resistance		-40°C to +180°C

## APPLICATION

### Surface preparation:

In the past the construction of aquarium was associated with a large consumption of sealants. Glass was put in metal frames and sealed with special sealants, usually beewax. A today, aquarium are constructed without the metal frames. The glass is sealed with silicone sealants. If the characteristics of the sealant and glass are taken into account, aquarium of various forms can be constructed. The surfaces we are sealing must be clean, dust and fat free. The pressure of the water in the tank is distributed to the to parts of the glass too. We must be careful during application, regard fig. 1.

Figure 1: Correct application of sealant in aquarium construction:



Warning: If you put blue coloured medication into the water, the silicone might become blue in a while.

## PACKING

- 300 ml cartridges (A carton of 20 pieces)
  - 200 l barrels
- Other ways of packing are available on demand.

## STORAGE

12 months in a dry, cool place under 25°C, in the originally sealed package.

## SAFETY PRECAUTIONS

Keep out of the reach of children. Wear suitable gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use only in well-ventilated areas.

## ATTENTION

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitutes a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.