

# SILICONES

## and more

### Aquapox

#### Description

Aquapox is an epoxy resin with high chemical and mechanical resistance that (with accurate mixing ratio and post cured at 40°C) is chemically stable related to food and water. This epoxy is designed specifically for building swimming pools (indoors), food products, water tanks, aquariums (also salt water), terraria, floors, etc. ... Aquapox can also be used for bonding or coating of stone, wood (root) or scenery.

#### Technical data

Mixing ratio (weight)	[A:B]	100:67
Mixing ratio (Volume)	[A:B]	100:75
Processing time @ 20°C*	[min]	50
De-mould time @ 20°C *	[hour]	5
Color	[-]	light yellow
Shelf-life	[year]	2
Density mix	[g/cm3]	1.10
Mod of elasticity		2300-2400
Charpy impact strength	[KJ/m2]	32-39

\* At 25°C the process time: 30 minutes and curing time: 3 hours and 20 minutes

#### Processing

Measure the A-and B-component in the right proportion (weight: A:B = 100:67) and mix this well. You may want to include an epoxy dye and mix again until an you have an even color. The epoxy is now ready for processing. Apply the epoxy with a brush or roller and foresee the total surface with a thin layer. The second layer can best be made as the first layer has not yet been fully cured. If the first layer is cured, you can use sandpaper to create a good adhesion. Reinforcement of certain parts can be made by using fiberglass cloth. The final properties be achieved after the epoxy is fully cured and is exposed to a temperature of 40°C for a few hours. (post curing).

#### Important

The best results are achieved if you accurately handle the mixing ratio. Process the product in a room where the temperature is between 18°C and 30°C, with a relative humidity below 80%.

The pre-treatment of the surface goes like this:

Wood: sand, clean and blow away dust

Glass: degreas, sanding, clean and blow away dust

Foam: brush, blow away dust



### Characteristics

- High chemical and mechanical resistance
- Medium viscosity making coating, laminating and bonding possible
- Low toxicity for inhalation and skin contact
- Excellent for the food industry
- Odorless after treatment
- Excellent adhesion on all types of materials
- Crystal free

### Gebruik /Doe:



# SILICONES

## and more

### Shelf-life

This epoxy resin is best stored in a dry place between 18°C and 28°C. The packaging must be fully closed to preserve the shelf life. If properly closed the epoxy resin has a 2 year shelf life.

### Safety

The products are harmful to your health when in liquid form. Contact with skin of one or both components must be prevented. Vapors of this product may cause respiratory irritation when used too long or frequently. When handling this product, wear protective gloves and protective glasses. Always work in a well ventilated area. For further information consult the safety data sheet.

### Always work with the correct safety materials:

liquid-tight gloves, splash goggles and mouth mask with filter. Work even with liquid-tight coverall when working with big amounts of material and always in a ventilated environment.

Gebruik /Doe:

