

BRAWO® UVPox51

UV curing, styrene-free epoxy resin system for soaking hose liners for the rehabilitation of waste water pipes.

Product properties

- With light activated epoxy resin system for repairing constantly wet components in contact with waste water
- Free of solvents and styrene
- Can also be used on humid substrates (waste water pipes)
- Physiologically harmless (after completed curing)

Areas of application

- Soaking or impregnation of textiles for the renovation of waste water pipes
- Repair of defective pipes and channels

Processing instructions

Preparation of the foundation

The substrate should be clean and free of loose parts, dust, oil, fats and any other that could act as separators.

It can be dry or damp. The base should be stable and have a generally required tear strength of min. 1.5 N/mm².

Resin preparation

Attention: During preparation and processing do not expose the resin to any direct sunlight or UV light, since this leads to curing of the resin!

Dosing is done by using weighing scales.

A complete emptying of the container is required for ecological reasons.

Processing

BRAWO resins are applied and processed using the soaking or impregnation method.

The textile fabric to be soaked must be dry, otherwise it is not possible to wet the textile fibers deeply. This may lead to loss of strength.

Before starting the installation process, care must be taken that no water flows into the rehabilitation area during installation process.

Safety

Attention is to be paid to the usual rules- of conduct when handling reaction resins. Whilst processing, suitable protective clothing, protective gloves and safety goggles / face protection should be worn. It is essential to follow the safety- advice / hazard information on labels and safety data sheets.

Technical Properties BRAWO® UVPox51

(if no special information is provided, all values are based on + 23° C and 50% rel. humidity)

Variable	Unit	Value	Remarks
Basis / number of components		Epoxy resin / one	
Density	kg / l	approx. 1.1	
Shelf life / max. storage time	Months	12	
Shelf life / Processing time of the soaked textile	Days	approx. 1	max. 20 °C storage temperature
Curing speed of the soaked textile with the BRAWO® Pico	m/min	approx. 0.5 in DN 50 approx. 0.3 in DN 70 approx. 0.3 in DN 100	process instructions have to be considered
Curing speed of the soaked textile with the BRAWO® Magnavity LED head Nano	m/min	approx. 0.6 in DN 100 approx. 0.5 in DN 150 approx. 0.4 in DN 200	
Curing speed of the soaked textile with the BRAWO® Magnavity LED head Mega	m/min	approx. 0.7 in DN 150 approx. 0.6 in DN 200 approx. 0.4 in DN 250	
Consumption	l * mm / m²	typically 0.95	depending on the density and thickness of the textile used see resin use BRAWOLINER® process instructions
Processing conditions	°C	+5 to +30	air and substrate temperature

BRAWO® UVPox51 Product Characteristics

Color	Green (transparent)
Cleaning Agent	Spirits
Storage	Storage in tightly closed original containers. At ambient temperatures (approx. +20°C) and dry conditions can be stored at least 12 months. The storage temperature should be between +5°C and +30°C. Die Lagerung muss frostfrei erfolgen. Attention: Do not exposed resin to intensive light sources (sunshine) since this leads to an immediate curing of the resin! For optimum processibility bring the resin to a temperature of approx. +20 °C before processing. We recommend storing in a climate-controlled cabinet for temperature control.
Container disposal	Completely emptied containers can be recycled. Resin residue can be cured in layers of a few mm with a UV lamp. Cured resin and liner can be disposed of as residual waste. Uncured resin must be sent to a suitable disposal site as hazardous waste.

Safety Instructions:

The resin is subject to labelling in accordance with the hazardous substances ordinance. Attention must be paid to the information and advice on the containers during processing. Please pay attention to the hazard information and safety advice on the labels and safety data sheets.

Note: The information provided in this data sheet is based on our experience to the best of our knowledge but is not binding. It is to be tailored to the respective building objects, purposes and the local demands. Our information relates to the generally accepted rules of technology, which are also to be observed during implementation. Subject to this, we are liable for the correctness of this information as part of our sales and delivery conditions. Recommendations that differ from the

details in our data sheets, which are made by our employees, are only binding on us if they are confirmed in writing. In any event, the generally accepted rules of technology are to be complied with. Reserve technical changes.

Version: 06/2025