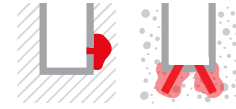


SIP Silicate Resins

## WEBAC® SIPfill



### Range of application

- Filling of voids and cavities in non-cohesive soil up to coarse gravel and stones
- **WEBAC SIPfill** is suitable for quickly stopping flowing water in soil up to loose gravel and similar types of gravel
- Ground stabilization in special engineering
- Solidification of unstable soil areas in earthworks

### Special properties

- MR 1:1
- Short reaction times
- High foam factor
- Low viscosity
- Easy grip and solubility in earthworks
- Solvent-free
- Environmentally sound

### Instruction for use

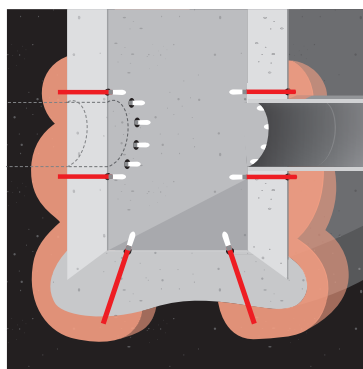
- Injection by 2C pump **WEBAC IP 2K-40**
- Silicate mixing pipe, Ø 8 mm, l = 500 mm

### Mixing

It is absolutely necessary to stir component A separately and thoroughly with a low-speed mechanical stirrer at 300 rev/min. max. (e.g. drill with paddle mixer) before use or transfer to another container. Ideally, component A is applied under constant agitation.

### Exemplary application

Meaning of the icons ▶ WEBAC Product Catalog, [www.webac.de](http://www.webac.de) or [www.webac-grouts.com](http://www.webac-grouts.com)



*Water stop and volume replacement system for smaller cavities*

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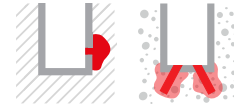
[www.webac.de](http://www.webac.de)

## ▶ Technical Information

All the data indicated in this technical data sheet and any related information provided by our employees are of an advisory nature representing our current state of knowledge and in no way binding. As the exact chemical, technical and physical conditions of the actual application are beyond WEBAC's control, this information does not preclude examination of the products and/or procedures for the intended application and surface by the user. WEBAC is thus unable to guarantee results. The user is fully responsible for the observation of existing regulations and conditions when using the products. © WEBAC-Chemie GmbH. Version 07/16

SIP Silicate Resins

# WEBAC® SIPfill



# WEBAC®

Technical parameters	Values			
Mixing ratio	1 : 1 parts by volume			
Density, 23 °C	Comp. A	1.14 g/cm <sup>3</sup>		
	Comp. B	1.24 g/cm <sup>3</sup>		
Viscosity, 23 °C	Comp. A	60 mPa·s		
	Comp. B	200 mPa·s		
Reaction times Flow limit · solid		12 °C	23 °C	30 °C
		40 s · 140 s	27 s · 125 s	21 s · 115 s
Foam reaction Start · end · expansion		12 °C	23 °C	30 °C
		17 s · 57 s · 30 times	13 s · 47 s · 30 times	14 s · 43 s · 30 times
Density at max. expansion	0.035 – 0.045 g/cm <sup>3</sup>			

The specified data are values determined under laboratory conditions and are subject to a certain fluctuation. Deviations are possible in practice depending on the object situation.

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## General Information

# WEBAC SIP Silicate Resins

(special engineering products)

► WEBAC SIP comprise various injection systems based on silicate including the corresponding injection technology. Silicate resins are used for filling cavities and voids, for stabilization and sealing purposes.



### Mixing

- The containers are provided according to the required mixing ratio
- Component A must be stirred separately and thoroughly with a low-speed mechanical stirrer before use or transfer to another container
- Ideally, component A is applied under constant agitation
- Component B is moisture-sensitive; all contact with water (e.g. rain, air humidity) must therefore be avoided
- A skin may form on the surface of the open container of component B caused by high air humidity; this skin must be removed before further use (do not mix in!)



### Application

We recommend storing the components at a temperature above 15 °C for at least 12 hours before use to ensure ideal application conditions.

#### Application by 2C pump:

(e. g. WEBAC® IP 2K-40)

- An adequate volume flow must be provided for to ensure that both components are mixed until homogenous in the mixing device (static mixer)

Note: Injection pumps should only be used for one type of material (silicate resin or polyurethane resin). When changing the material, the pump must be cleaned thoroughly and all material and cleaning agent must be removed entirely. For further information, please contact WEBAC's Application Technology Department.



### Cleaning

- **2C pump:** When interrupting work for a short period the mixing device can be rinsed with component A. When interrupting work for a longer period of time and after work rinse hoses and pistons of component A thoroughly with water, use **WEBAC® Cleaner A** for component B
- Cured material can only be removed mechanically, cleaning must therefore take place immediately after the injection
- Fill the entire pump system with hydraulic fluid in case of long standstill periods
- Observe the technical data sheets of the injection pumps and cleaners used



### Storage

- Between 5 °C and 30 °C
- Protected from moisture
- In original, closed containers

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General Information

# WEBAC SIP Silicate Resins

(special engineering products)

## Occupational safety

The safety regulations of the industrial trade associations and the WEBAC Safety Data Sheets are to be observed at all times when working with this product. Safety data sheets according to Regulation (EC) No. 1907/2006 (REACH) must be accessible to all persons responsible for occupational safety, health protection and the handling of materials. For further information, please see the separate information sheet "Occupational Safety" in our product catalog or [www.webac-grouts.com](http://www.webac-grouts.com).

## Waste disposal

In Germany, empty containers can be disposed of via "Interseroh Dienstleistungs GmbH" observing the respective terms and conditions. It is not possible to dispose of containers at production facilities or delivery warehouses. For more detailed information, please see the separate information sheet "Information on the disposal and return of WEBAC packaging" in our product catalog or [www.webac-grouts.com](http://www.webac-grouts.com) and the safety data sheets.

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