

SIP Silicate Resins

WEBAC® SIPcompact



Range of application

- Ground stabilization
 - Slope stabilization and soil nailing
 - Solidification of unstable soil areas in earthworks
- Filling of voids and cavities
 - Solidification of gravel and crushed rock layers
- Stabilization measures using anchor systems
 - Bonding of anchors according to static requirements

Special properties

- MR 1:1
- Very fast curing and fast strength development
- No foam formation, not reactive to water
- Suitable for cutting and planing
- Solvent-free
- Environmentally sound

Instruction for use

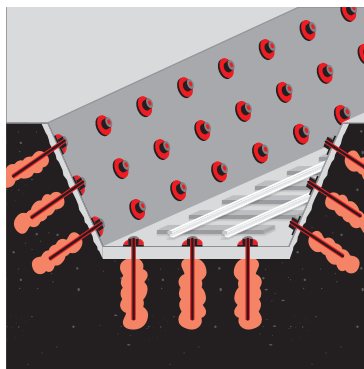
- Injection by 2C pump (e. g. **WEBAC® IP 2K-40**)
- Silicate mixing pipe, Ø 8 mm, l = 500 mm

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.

Exemplary application

Meaning of the icons ▶ WEBAC Product Catalog, www.webac.de or www.webac-grouts.com



Injection of anchor systems

WEBAC-Chemie GmbH
 Fahrenberg 22
 22885 Barsbüttel
 Germany
 Tel. +49 40 67057-0
 Fax +49 40 6703227
 info@webac.de

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® SIPcompact



WEBAC®

Technical parameters	Values			
Mixing ratio	1 : 1 parts by volume			
Density, 23 °C	Comp. A	1.45 g/cm ³		
	Comp. B	1.24 g/cm ³		
Viscosity, 23 °C	Comp. A	200 mPa·s		
	Comp. B	200 mPa·s		
Apparent density	1.3 g/cm ³			
Reaction times Flow limit · solid		12 °C 55 s · 160 s	23 °C 30 s · 95 s	30 °C 25 s · 65 s
Compressive strength (uniaxial)	1 h	60 N/mm ²		
	3 d	70 N/mm ²		
Bending tensile strength	3 d	20 N/mm ²		
Tensile strength	3 d	10 N/mm ²		

WEBAC-Chemie GmbH
 Fahrenberg 22
 22885 Barsbüttel
 Germany
 Tel. +49 40 67057-0
 Fax +49 40 6703227
 info@webac.de

www.webac.de

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.

► 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

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

► 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

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.

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 and the safety data sheets.

WEBAC-Chemie GmbH
Fahrenberg 22
22885 Barsbüttel
Germany
Tel. +49 40 67057-0
Fax +49 40 6703227
info@webac.de

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