

# BRIEF INSTRUCTIONS FOR USE OF SAVA PACKERS

Step 1



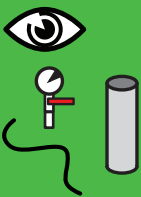
### PROCEDURE

Choose a suitable type and size of a SAVA packer.

### WARNING

Always refer to the technical data tables and the required packer type for choosing a suitable SAVA packer.

Step 2



### PROCEDURE

Check and prepare at the site of use and rehabilitation: air source, packer, controller, supply hoses.

### WARNING

Thoroughly check the SAVA packer and other equipment before use. It is dangerous to use any damaged products or equipment. Such products or equipment should be replaced and removed from further use.

Step 3



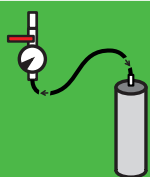
### PROCEDURE

Clean the pipe to be rehabilitated.

### WARNING

Even the smallest sharp particles - due to not cleaning the pipeline properly - can permanently damage the SAVA packer.

Step 4



### PROCEDURE

Connect the air source and the controller to the SAVA packer and inflate it up to its basic position: cylindrically shaped but NOT elongated.

### WARNING

Always use a controller of a suitable pressure rating for inflating the SAVA packer. The controller's safety valve should completely conform to the packer's working pressure.

Step 5



### PROCEDURE

Apply protective film on the SAVA packer.

### WARNING

Protective film should be evenly applied across the entire surface of the packer. It is not recommendable to apply any grease on the packer as the packer might not be resistant to the applied grease!

Step 6



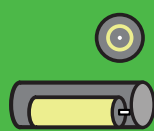
### PROCEDURE

Once protected, apply fibres and resin on the SAVA packer.

### WARNING

Comply with the instructions on use of resins for pipeline rehabilitation.

Step 7



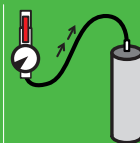
### PROCEDURE

Insert the SAVA packer in the pipe.

### WARNING

When inserting the SAVA packer, make sure that its resin-coated surface does not drag across the pipe. Place the SAVA packer horizontally in the middle of the pipe cross-section. Observe the instructions for insertion stated below.

Step 8



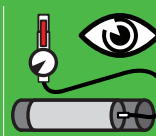
### PROCEDURE

Inflate the SAVA packer up to its required pressure.

### WARNING

Personnel are prohibited from entering the SAVA packer area when the packer is pressurized! Never exceed the nominal working pressure of the SAVA packer.

Step 9



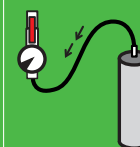
### PROCEDURE

Continually check the pressure in the SAVA packer.

### WARNING

If noticing a pressure change, adjust the pressure in the SAVA packer to the required value, however, never exceed the specified working pressure.

Step 10



### PROCEDURE

When the work is finished, release the pressure in the packer and remove it from the pipe.

### WARNING

Before emptying the SAVA packer, release the back pressure if any. Do not remove the SAVA packer until the air is completely vented from the packer. If the SAVA packer is not properly protected, it can stick to the hardened resin during rehabilitation. If forcibly removed from the pipe, the product can get damaged.

Step 11



### PROCEDURE

Clean and store the deflated SAVA packer and other equipment after use. Comply with the instructions.

### WARNING

Comply with the instructions for cleaning and storing of SAVA packers.

Step 12



### PROCEDURE

Thoroughly check the SAVA packer and the rest of the equipment.

### WARNING

Damaged products or equipment should be replaced and removed from further use.



# BRIEF INSTRUCTIONS FOR USE OF SAVA PACKERS



Non-compliance with the instructions for use can result in various injuries. Before using the product please read also full-text instructions for use as published at:



[www.savatech.eu/environmental-protection-and-rescue/manuals](http://www.savatech.eu/environmental-protection-and-rescue/manuals)



[www.savatech.com/manuals](http://www.savatech.com/manuals)



## PERSONAL PROTECTIVE EQUIPMENT:

When operating the SAVA packers, always wear the proper personal protective equipment such as protective clothing, helmet, goggles gloves, footwear and ear protection.



## WARNINGS:

Application temperature range: from -20 to +80 °C. The use of the product at temperatures below -20 °C, but not below -40 °C, is limited to 1 hour at the most, and at temperatures exceeding +80 °C to 30 minutes, however, the temperature may not exceed 100 °C.



The standard version of SAVA packers is **NOT** suitable for use in potentially explosive environments.



Open flame and smoking are forbidden when operating the SAVA packers.

## CHOOSING A SUITABLE SAVA PACKER:

Refer to the technical data tables as well as product labels for choosing a suitable SAVA packer.



SAVA packers are not resistant to all types of chemicals. Please refer to the resistance table for rubber materials or consult the manufacturer on product properties.

