

# EUCOPREV B

## SYNTHETIC SWELLTAPE FOR ACTIVE SEALING OF CASTING JOINTS, CONSTRUCTION AND RENEWAL JOINTS

### FIELD OF APPLICATION

EUCOPREV B is fixed in casting joints, construction joints and renewal joints in applications with salt and brackish water. In contact with water and enclosed in or between concrete EUCOPREV B will swell and actively stop the water infiltration.

- Construction joints in concrete.
- Renewal joints
- Sealing of pipe connections
- Construction joints between prefabricated concrete elements and walls to be cast such as water reservoirs and manholes.
- Joints between floor slabs/walls and sheet piling
- etc...

### BENEFITS & FEATURES

- Stable quality.
- Stable when swelling in contact with water. Do not wash out / rinse.
- Can withstand pressures up to 6 bar.
- Permanently active system with repeated "wet/dry cycles"
- Easy installation, no special equipment required
- Swelling capacity up to 330%.
- Good sealing regardless of possible irregularities and imperfections in the concrete surface.

### APPLICATION

#### Application conditions

Check that the swelling pressure that will be transferred to the concrete is not too big. Sufficient concrete cover is therefore important. Place the strip centrally in the casting joint. Take into account a 7 cm concrete cover on both sides of the EUCOPREV B. This is to avoid possible cracking of the concrete due to the swelling pressure of the strip.

Do not place the strip in rainy weather or on a wet surface to prevent premature swelling.

The recommended application temperature is between -15°C and +60°C.

#### Tools & complementary products

- EUCOCOL MS\* (to be ordered separately)
- EUCOPREV B GRID\* (to be ordered separately)
- Nails, washers, nail gun or cartridge gun\*. (\*Depending on the chosen fixing method)

#### Preparations

The surface must be dimensionally stable and must be free of dust, oil, stains and other impurities by brushing, etc... Make sure that the surface is dry and free from free standing water. EUCOPREV B is a ready-made product. When gluing the strip, apply the adhesive EUCOCOL MS according to the respective technical data sheet and apply centrally where the joint will be.

### Application of the product

EUCOPREV B must be fixed on to the surface using EUCOCOL MS glue (only for horizontal applications) or by using the metal fixing grid EUCOPREV B GRID which will be fixed over the strip with nails. To guarantee a watertight joint, a side overlap of at least 5 cm is necessary. EUCOPREV B must be in full contact with the substrate and placed centrally where the joint will be or between the internal and external reinforcement bars.

#### Nailing:

Roll out EUCOPREV B in the centre of the joint and press the strip firmly against the surface. Nail the strip together with the fixing net EUCOPREV B GRID in one operation against the substrate. For vertical and suspended situations the use of the EUCOPREV B GRID fixing net is highly recommended. Always use 4 nails with washer per meter.

#### Bonding:

See also the EUCOCOL MS technical data sheet. EUCOPREV B must be pressed firmly into the applied EUCOCOL MS adhesive within 10 minutes.

### Finishing

Immediately after installing EUCOPREV B, any formwork to be provided can be installed. When nailing the strip, the concrete can be poured immediately. When glueing the strip, it is necessary to wait with the concrete until the EUCOCOL MS has hardened for 24 hours. Protect the installed strips against rain and water until the concrete is poured.

### Cleaning of the tools

Does not apply.

### MAINTENANCE AFTER APPLICATION

Does not apply.

### TECHNICAL DATA

#### Consumption

Consumption depends on the total length of the construction joint to be treated. Take into account a minimum lateral overlap of 5 cm.

#### Technical data & reaction times

Property	Value
Basic raw materials	Synthetic rubber blend of butyl rubber, sodium bentonite and plasticizer.
Swelling capacity	+/- 330 % (> 4V)
Density	+/- 1,45 kg/dm <sup>3</sup>
Weight	+/- 730 gr/m
Soluble in water:	No - in contact with water the strip will swell but not dissolve and/or fall apart - so no leaching of the product from the joint / seam.
Resistance to water pressure	6 bar
Application temperature	-15°C to +60°C
Odour	Odourless

### Chemical resistances

Good chemical resistance, also against organic chemical compounds (hydrocarbons). When used in applications with chemically contaminated water, please contact EUCOCHEM BV.

### Additional documentation & referrals

Always consult all technical data sheets of the products to be used. Always work with clean tools in good condition.

### APPEARANCE - COMPOSITION - PACKAGING

EUCOPREV B is a BLACK, rectangular shaped strip.

Dimensions and packaging:

EUCOPREV B - 25 x 20 mm.

5 meters long strip.

6 x 5m strips per box (= 30m per box)

36 boxes per pallet (= 1080 m per pallet)

EUCOPREV B - 20 x 10 mm.

10 meters long strip.

5 x 10m strips per box (= 50m per box)

60 boxes per pallet (= 3000 m per pallet)

EUCOPREV B is sensitive to moisture, storage takes place in a dry room between +5°C and +30°C and has an indefinite shelf life if stored under the conditions described above.

EUCOPREV B is non-toxic.

### ADDITIONAL COMMENTS

EUCOPREV B only works when it is completely enclosed in the concrete so that it can generate enough pressure to guarantee the watertightness of the joint. For special applications it is advisable to consult your EUCCHEM BV representative.

### SAFETY PRECAUTIONS

Always use personal protection in accordance with the local guidelines. Consult the appropriate safety sheets before use. All most recent safety data sheets are always available at [www.eucochem.com](http://www.eucochem.com). When in doubt, contact our technical service.

All information in this technical data sheet is provided in good faith and without any guarantees. The choice of a product for any application by the buyer or applicator, the processing of the products, the preparations, the finishing, the use of the right equipment to apply the products and all this in the broadest sense, are entirely beyond our control and are therefore entirely the responsibility of the buyer or applicator. Therefore, EUCCHEM bv cannot be held responsible on the basis of what is mentioned above. Should EUCCHEM bv nevertheless be held responsible for damage incurred, the claim will always be limited to the value of the necessary EUCCHEM bv products to be delivered in order to carry out a minimal repair. EUCCHEM bv strives to deliver products of consistent, good quality. All values on the technical data sheet are average values and are the result of tests performed under laboratory conditions. Values that are measured in jobsite conditions and the like may deviate from the stated values. This is because the environmental conditions, the application and the manner of processing our products are also outside our control. Please note that you should not add any products other than those indicated in our technical documentation. Only use EUCCHEM bv products for a system under construction. If you combine products from different suppliers or brands, the warranty expires irrevocably. When applying the EUCCHEM bv products it is necessary to draw up a construction site log and to fill it in on a regular basis. EUCCHEM bv can consult the construction site log at any time and / or request a copy to check whether the products and systems have been correctly installed or installed in accordance with the regulations set by EUCCHEM bv. We also refer to our general terms and conditions in case of dispute. This version of the technical data sheet replaces all previous versions. Version 1.0 Date: 14 October 2021 11:07 am