

EUCOJOINT B

FLEXIBLE POLYOLIFINE (FPO) WATERPROOFING STRIP.

FIELD OF APPLICATION

EUCOJOINT B is a flexible (FPO) Fine Poly-Olifine) waterproofing strip to be bonded with EUCOCOL EP WS over moving joints and cracks. EUCOJOINT B is an elastic strip to seal active and passive joints and cracks between different construction elements in car parks, reservoirs, basins, tunnels, underground structures, bridges, etc...

BENEFITS & FEATURES

- On dry and wet surfaces (combined with EUCOCOL EP WS)
- Elastic
- Both positive and negative water pressure
- Perforated version available on request
- Horizontal en vertical applications
- Can be applied on large joints and cracks with large dilatation
- Liquid proof
- Easy to apply

APPLICATION

Application conditions

The optimum application temperature is between +10°C and +25°C..

Tools & complementary products

- Sandpaper (GRID 80)
- Hot air blower or EUCOCOL MS to weld or glue the different parts of EUCOJOINT B together.
- EUCOCOL EP WS for bonding EUCOJOINT B to the surface.
- Electric mixer with mixing spindle.
- Masking tape
- Spatula or trowel
- Pressure roller
- EUCOREP EP (depending on the application method, depending on the load).

Preparations

Always check whether the contact surface on which the bonding of EUCOJOINT B with EUCOCOL EP WS is to be carried out is sufficiently strong, shows good cohesion and is structurally sound according to the applicable technical regulations. Determine how much positive and negative pressure will be applied to the EUCOJOINT B after installation. This is to be able to determine the correct thickness of the EUCOJOINT B. Ensure a clean, dust and grease free surface. Remove loose and poorly adhering parts. Sand-blast metal surfaces to SA 3. Avoid water pressure during application.

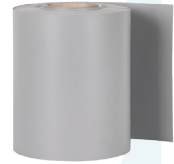
Prepare the edges of a crack:

Remove loose and poorly adhering parts. The crack must be cleaned and made free of dust, oil and grease. Check the edges of the crack to make sure they are strong and cohesive enough.

Prepare the edges of a joint:

Remove loose and poorly adhering parts. Depending on the chosen solution to seal the joint, the edges of the joint must be countersunk. Try to create as flat a contact surface as possible where the adhesive will be applied.

The joint must be cleaned and made free of dust, oil and grease. Check the edges of the joint to make sure they are strong and cohesive enough.



Choose the right application method in function of the load on the structure. (E.g. car traffic over an expansion joint, etc...)

Below some implementation options depending on the possible load on the structure:

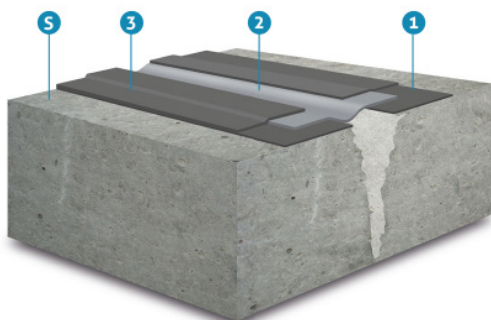
Light mechanical load - Bonding on the surface:

EXPANSION JOINT



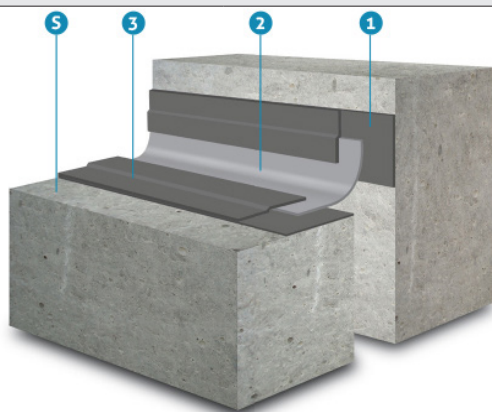
	LAYER	PRODUCT NAME
3	Adhesive	EUCOCOL EP WS
2	Sealing tape	EUCOJOINT B
1	Adhesive	EUCOCOL EP WS
S	Substrate	

MOVING CRACK



	LAYER	PRODUCT NAME
3	Adhesive	EUCOCOL EP WS
2	Sealing tape	EUCOJOINT B
1	Adhesive	EUCOCOL EP WS
S	Substrate	

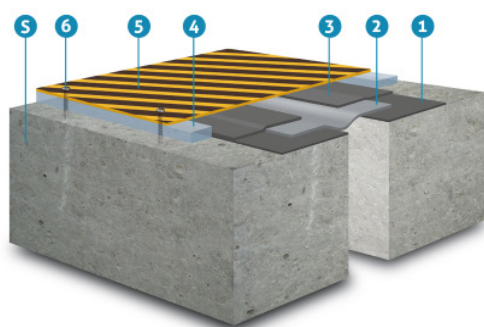
CONNECTION FLOOR-WALL



	LAYER	PRODUCT NAME
3	Adhesive	EUCOCOL EP WS
2	Sealing tape	EUCOJOINT B
1	Adhesive	EUCOCOL EP WS
S	Substrate	

Heavy mechanical load - Bonding on the surface:

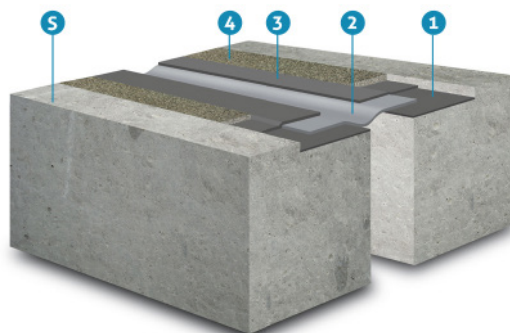
EXPANSION JOINT WITH PROTECTIVE PLATE



	LAYER	PRODUCT NAME
6	Mounting bolts 1 side of the protective plate	
5	Protective plate	
4	Spacer	
3	Adhesive	EUCOCOL EP WS
2	Sealing tape	EUCOJOINT B
1	Adhesive	EUCOCOL EP WS
S	Substrate	

Light mechanical load - Recessed into the surface:

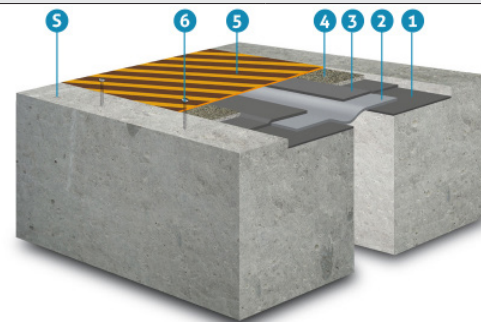
EXPANSION JOINT



	LAYER	PRODUCT NAME
4	Epoxy mortar	EUCOREP EP
3	Adhesive	EUCOCOL EP WS
2	Sealing tape	EUCOJOINT B
1	Adhesive	EUCOCOL EP WS
S	Substrate	

Heavy mechanical load - Recessed into the surface:

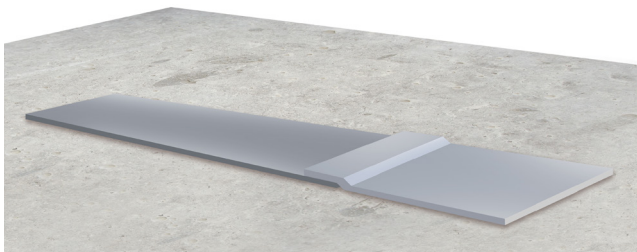
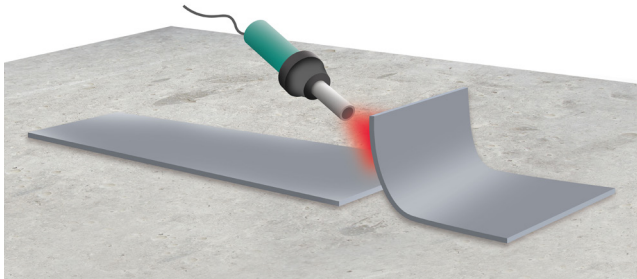
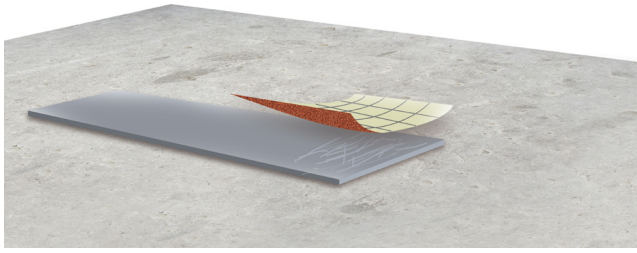
EXPANSION JOINT WITH PROTECTIVE PLATE



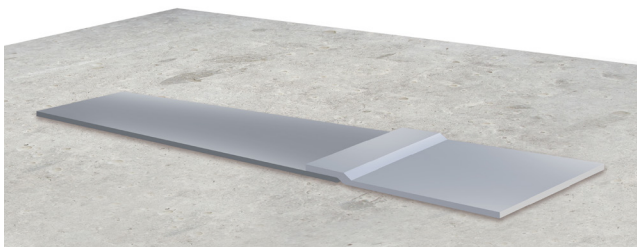
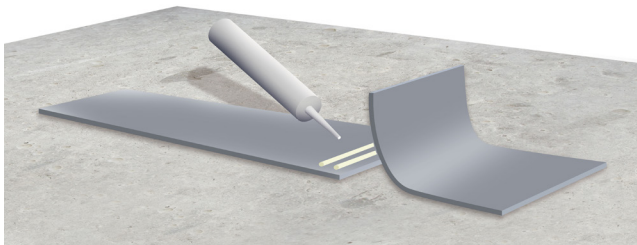
	LAYER	PRODUCT NAME
6	Mounting bolts 1 side of the protective plate	
5	Protective plate	
4	Epoxy mortar	EUCOREP EP
3	Adhesive	EUCOCOL EP WS
2	Sealing tape	EUCOJOINT B
1	Adhesive	EUCOCOL EP WS
S	Substrate	

Preparation of the product

In applications where the joints or cracks are longer than the available roll lengths, it is possible to weld the ends of EUCOJOINT B together. The parts of the sealing strip to be welded together must be roughened or sanded (GRID 80). The product can be welded together with a hot air blower. (Recommendation > 1500 Watt / 340°C) It is important to select a low temperature setting so that only the surface of the sealing strip melts in order to guarantee its tightness. Take into account a slight shrinkage in the width of the tape when welding the thinner types of sealing strips.



It is also possible to glue the different parts together with EUCOCOL MS. Provide a clean, dust and grease free surface. Glue the 2 parts together with 2 glue beads that are applied at right angles to the longitudinal direction of EUCOJOINT B.



In both cases provide an overlap of at least 5 cm and absolutely avoid air entrapment.

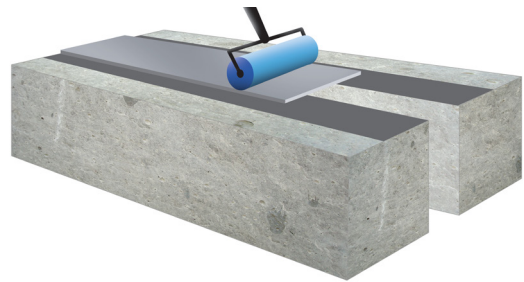
To prepare and process the adhesive EUCOCOL EP WS, please refer to the relevant technical data sheet.

Application of the product

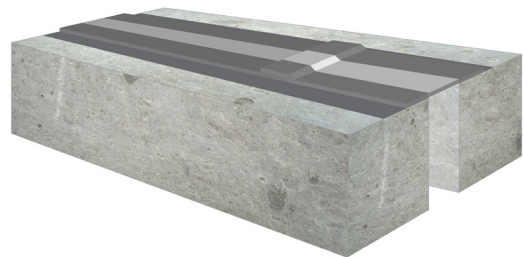
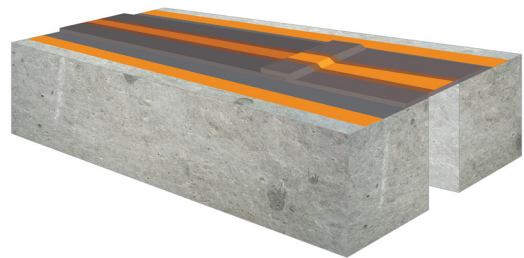
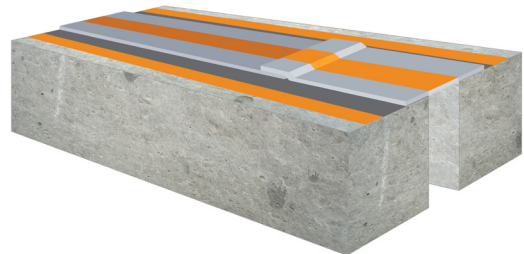
Apply masking tape to both sides of the joint or crack where the adhesive will be applied as follows to mark the area. Apply EUCOCOL EP WS directly

to the adhesive surface with a spatula or trowel and press well to obtain optimal adhesion to the surface. Make sure the adhesive does not get over the joint or crack. Then remove the masking tape.

Press EUCOJOINT B in the EUCUCOL EP WS. Make sure the adhesive is in full contact with the sealing strip and roll with a pressure roller to avoid air entrapment, bubbles and wrinkles.



Stick the masking tape in the middle and over the entire length of the EUCOJOINT B (width equal to the width of the joint or crack). Also reapply masking tape on the outer edges. Then spread EUCOCOL EP WS with a spatula or trowel over the first layer of EUCOCOL EP WS and over EUCOJOINT B. Then remove all masking tape.



Finishing

Remove the excess material and masking tape immediately after applying the adhesive. Adhesive residues that have cured must be removed mechanically afterwards;

For the recessed application methods, apply the EUCOREP EP epoxy mortar without primer after approximately 2 hours. Make sure the mortar does not go over the area of the crack or joint. With heavy loads, the whole can be covered with a protective plate.

Fixing the protective plate must not impede the dilatation of various building elements.

Cleaning of the tools

Before curing EUCOCOL EP WS, clean the tools with SOLVENT MEK. Cured product residue must be removed mechanically.

MAINTENANCE AFTER APPLICATION

Does not apply.

TECHNICAL DATA

Consumption

1 m EUCCOJOINT B per meter of joint / crack.

(Take into account the minimum overlap of 5 cm)

1,5 kg/m²/mm layer thickness EUCOCOL EP WS

(Minimum total layer thickness = 2 mm)

Technical data & reaction times

Property	Thickness 1 mm	Thickness 2 mm
Basic raw material:	FPO	FPO
Weight	Aprox. 900 g/m ²	Aprox. 1830 g/m ²
Tear resistance - longitudinal direction DIN EN 12311-2 Methode B	15 N/mm ²	10 N/mm ²
Tear resistance - Width direction DIN EN 12311-2 Methode B	15 N/mm ²	10 N/mm ²
Elongation at break - longitudinal direction DIN EN 12311-2 Methode B	620 %	680 %
Elongation at break - Width direction DIN EN 12311-2 Methode B	670 %	710 %
Tear resistance - longitudinal direction DIN EN 12310-1	260 N	540 N
Tear resistance - Width direction DIN EN 12310-1	260 N	530 N
Vapour permeability DIN EN 1931 Method B	60m	125m
Hardness Shore A	87	87
Tensile strength DIN EN 1348	> 4.0 N/mm ² *	> 4.0 N/mm ² *
Tear resistance - Wood	> 100 N*	≥ 100 N*
Watertightness: DIN EN 1928 - A / 60kPa / 24h DIN EN 1928 - B / 400kPa / 72h	Waterproof	Waterproof
Maximum pressure at burst	≥ 4.0 bar	≥ 4.0 bar
UV resistance, min. DIN EN ISO 4892-3	6500 h	≥ 6500 hSch
Fire rating DIN ISO 11925-2 / EN 13501-1	Class E	Class E
Temp resistance min/max	-30°C / +90°C	-30°C / +90°C
Colour	Grijs	Grijs

* depending on the used adhesive

Chemical resistances

Hydrochloric acid 3% = RESISTENT

Sulphuric acid 35% = RESISTENT

Citric acid 100 g/l = RESISTENT

Lactic acid 5% = RESISTENT

Potassium hydroxide 3% = RESISTENT

Sodium hypochloride 0,3 g/l = RESISTENT

Saline solution in water 20 g/l = RESISTENT

Sea water = RESISTENT

For more information, please contact EUCOCHEM BV.

Additional documentation & referrals

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

APPEARANCE - COMPOSITION - PACKAGING

EUCCOJOINT B is available as follows:

Standard = 20 meter rolls with:

Thickness 1 mm and width 200/250/300/400 mm

Thickness 2 mm and width 200/250/300/400 mm

Perforated version = 20 meter rolls with:

Thickness 1 mm and Width 200/250 mm

Thickness 2 mm and Width 200/250 mm

Maximum shelf life 12 months, in its original packaging, in a dry and cool place. Protect from direct sunlight.

NOTE: Use the material within 2 months after opening the packaging.

ADDITIONAL COMMENTS

For special applications it is advisable to consult your EUCOCHEM 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 [op www.eucochem.com](http://op.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, EUCOCHEM bv cannot be held responsible on the basis of what is mentioned above. Should EUCOCHEM bv nevertheless be held responsible for damage incurred, the claim will always be limited to the value of the necessary EUCOCHEM bv products to be delivered in order to carry out a minimal repair. EUCOCHEM 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 EUCOCHEM bv products for a system under construction. If you combine products from different suppliers or brands, the warranty expires irrevocably. When applying the EUCOCHEM bv products it is necessary to draw up a construction site log and to fill it in on a regular basis. EUCOCHEM 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 EUCOCHEM 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