

LEAKSEAL® TPE PES Flex Waterproofing Bandage

High performance waterproofing bandage/tape for joints & cracks

LEAKSEAL® TPE PES Flex Waterproofing Bandage is a specially coated strong polypropylene non-woven tape with excellent extension in the cross direction and is rigid length wise with a special flexible zone in the middle.

Material Composition:

Substrate: Polypropylene non-woven

Coating: Thermoplastic elastomer, resistant to aging



Intended Uses:

LEAKSEAL® TPE PES Flex Waterproofing Bandage is designed for waterproofing joints & cracks in outdoor applications and is installed using an adequate adhesive such as an epoxy adhesive or LEAKSEAL® 2K Cementitious Waterproofing Membrane. Once installed it must be covered by panels or plaster and not constantly exposed to UV rays.

Typical application areas:

- Expansion, construction & connection joints.
- Work joints in concrete building components.
- Cracks in concrete building components.
- Concrete surfaces with water permeable concrete composition.
- Repair/over-banding of leaking or failed joint sealants.
- Joints with extreme movement.
- Joints and cracks in basements, tunnels & culverts.
- Joints in water channels.

Properties & Characteristics:

- Temperature resistance (-30° to +90°C).
- Suitable for used with potable water.
- Easy to install.
- High flexibility.
- High joint movement capacity.
- Excellent resistance to positive water pressure.

Technical Data:

Thickness	1.5 mm
Length	30m
Width	170mm
Coating Width	110mm
Expansion Area	45mm

Application Information:

Step 1:

Prepare the substrate by means of sand blasting or grinding, followed by vacuuming & cleaning.



Step 2:

In the case of expansion joints or cracks, it is essential that a stripe of >1mm in the center of the LEAKSEAL® TPE PES Flex Waterproofing Bandage remains unbounded (Free from adhesive). For this reason, insert a foam backer rod inside the joint and apply a masking tape on top of the joint/crack (Masking tape = twice the width of joint).

In addition, put another stripe of masking tape at each side of the joint before applying the epoxy adhesive or LEAKSEAL® 2K Cementitious Waterproofing Membrane – the distance of the tape to the joint should be approx. the full width of the LEAKSEAL® TPE PES Flex Waterproofing Bandage (170mm).

In case of higher movements, form a loop with the tape in the joint and insert the foam backer rod into the loop before covering it with the masking tape.



Step 3:

Apply the epoxy adhesive or LEAKSEAL® 2K Cementitious Waterproofing Membrane on the left hand & right hand side of the joints. Do not cover the central masking tape with adhesive!



Step 4:

Ensure the LEAKSEAL® TPE PES Flex Waterproofing Bandage is clean. A dry or wet cloth can be used. Use nothing but water for cleaning. NO SOLVENTS. Apply the LEAKSEAL® TPE PES Flex Waterproofing Bandage onto the joint and firmly press the tape into the epoxy adhesive or LEAKSEAL® 2K Cementitious Waterproofing Membrane, avoid air pockets by using a suitable tool.



Step 5:

Apply a layer of epoxy adhesive or LEAKSEAL® 2K Cementitious Waterproofing Membrane onto the LEAKSEAL® TPE PES Flex Waterproofing Bandage. In order to guarantee good adhesion with the surface, application should exceed the tape by a full width on each side – up to the two lateral masking tapes.



Step 6:

Remove the masking tape from the middle of the LEAKSEAL® TPE PES Flex Waterproofing Bandage as well as the two lateral tapes a few minutes after the application.



Step 7:

In case of high-water pressure > 1.5 bar up to 3 bars or negative pressure, protect the joint with a metal plate.

