



# ASO<sup>®</sup>-Tape

## Thermoplastic joint tape for a rock-solid joint sealing

The highly flexible joint tape for long-lasting sealing  
of construction and expansion joints.

### Problems Solved.





# The highly flexible joint tape

for long-lasting sealing of construction and expansion joints.

ASO-Tape is a highly flexible sealing tape for watertight structures. Combined with the universal epoxy resin adhesive ASODUR-K4031 it can be used for sealing construction and expansion joints as well as sealing cracks and defects in concrete constructions. It is also suitable for additional sealing treatment on transitions, permeations or various construction materials.



## ADVANTAGES

- Suitable for negative water pressure
- No additional activation required
- Highly flexible
- Superb adhesive tape bonding
- Easy to use
- Tried and officially tested system (approval available)



# ASO<sup>®</sup>-Tape

## Thermoplastic joint tape

An adhesive is required when using ASO-Tape. ASODUR-K4031 produces a long-lasting bonding.

### Properties

- Highly flexible
- Simple, uniform welding properties
- No activating required
- Waterproof even under negative water pressure
- Resistant to frost, UV and ageing

Thickness of material	1.0 mm	2.0 mm
Surface weight, g/m <sup>2</sup>	approx. 900	approx. 1800
Tensile strength, according to DIN EN ISO 527-3, N/mm <sup>2</sup>	approx. 14.0	approx. 14.0
Elongation at break, according to DIN EN ISO 527-3, N/mm <sup>2</sup>	approx. 1000	approx. 1000
Tear resistance, according to DIN 12310-2, N	approx. 100	approx. 200

### Technical data

Basis	TPE (thermoplastic elastomer)
Colour	grey
Shore A- hardness (ISO 868)	approx. 87
Temperature resistance	-30°C / +90°C
Processing, flooring and material temperature	+5°C to +35°C

### Composite tests with ASODUR-K4031

Adhesive tensile strength	> 3,0 N/mm <sup>2</sup> by breakage in the concrete
Water impermeability, positive and negative based on DIN 1048	5 bar
Crack bridging according to PG-ÜBB	1.0 mm at 28 d water pressure
Packaging	Rolls à 20 m
Dimensions in mm	200, 300, 500

Storing ASODUR-K4031: Dry and protected from weather, 12 months in the original sealed drum. After opening, process within 2 months!

# ASODUR<sup>®</sup>-K4031

## Solvent free, thixotropic 2-C universal epoxy resin adhesive

ASODUR-K4031 is an adhesive and filler for various types of substrates in the floor and wall area and overhead.

### ASODUR-K4031 is applicable as an adhesive or filler for

- the bonding of ASO-Tape
- concrete plates
- finished streak plates
- finished concrete parts (e.g. shaft rings)
- the bonding of metals, ceramics or plastics
- particularly high adhesion and shear strength

### It also applicable as a waterproof joint sealant

- as a filler for static cracks
- as a quick repair mortar for concrete surfaces

### Material required

Consumption	approx. 1.8 kg/m <sup>2</sup> at 6 mm tooth spacing approx. 2.3 kg/m <sup>2</sup> at 8 mm tooth spacing approx. 2.8 kg/m <sup>2</sup> at 10 mm tooth spacing
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Packaging/ Material strength	Consumption in kg/m	
	1.0 mm	2.0 mm
200 mm	approx. 1.0	approx. 1.5
300 mm	approx. 1.3	approx. 1.8
500 mm	-	approx. 2.4

Increased material consumption for uneven flooring is excluded.

# Processing



## 1. Flooring preparation

Prepare the cleaned, weight bearing underfloor by mechanical means.



## 2. Cleaning

Prepare the surface mechanically before cleaning it thoroughly.



## 3. Masking off the surface

Mask off the expansion area on the subfloor and on the tape. Mask off at the margin, the grout should overlap the building component by at least 1 cm.



## 4. Mixing of the mortar

Stir comp. A and comp. B together and put the mixture into a clean bucket. Then stir the mixture for a second time.



## 5. Applying the adhesive

In order to ensure all-over bedding apply ASODUR-K4031 at least 1 cm wider than the amount of ASO-Tape you use.



## 6. Removing the adhesive tape

Remove the adhesive tape in the area of the joint.



## 7. Laying and pressing

Lay out the ASO-Tape and press it on with a suitable tool.



## 8. Grouting

Ensure the ASODUR-K4031 is spread over all of the ASO-Tape.



## 9. Removing the adhesive tape

Take out various adhesive strips.



## 10. Finished surfaces



## 11. Bonding

Ensure that there is an overlap of 5-10 cm with a minimum layer thickness of 1 mm when bonding the ASO-Tape to the grout.



## 12. Hot-air welding

Using hot air and pressure weld the tape joints with an overlap of at least 5 cm.



## Areas of application for **ASO**<sup>®</sup>-Tape

ASO-Tape can be applied when permanently sealing cracks in new buildings and when repairing buildings. The thermoplastic joint tape is highly flexible, it doesn't need to be activated and it is waterproof under negative water pressure (2.0 mm variance).

ASO-Tape can be applied in the following areas:



### **Component joints**

- Highly flexible
- Adhesive is coatable
- UV- and weather-resistant



### **Bridges/tunnels**

- UV-resistant
- Resistant to de-icing salt



### **Swimming pools**

- UV-resistant
- Resistant to chlorine



### **Sewage treatment plants/digestion towers**

- Resistant to effluents
- Good abrasion resistance
- Highly flexible

In addition the ASO-Tape can be applied to  
**Ground water sealing**

- Sustained impermeability, long service life
- Easy to repair and control
- High absorption of movement

The SCHOMBURG group of companies develops, produces and distributes construction materials systems for the areas of:

- Waterproofing and Restoration
- Tiles/ Natural Stone / Screed installation
- Protective Flooring / Coating Systems
- Concrete Technology

SCHOMBURG is recognised for its development competency and is distinguished both nationally and internationally with over 80 years in the market. System based construction products from its own production plants are held in high esteem throughout the world.

Industry professionals value the level of service provided by the SCHOMBURG Group, along with our large range of high quality products.

In order to stay at the forefront of a continuously advancing market we are always investing in research and development of new and current products. This guarantees high quality products, which in turn leads to customer satisfaction.

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