

ASO[®]-Tape (INDUBOND-Tape-3000)

THERMOPLASTIC JOINT TAPE FOR WATERPROOFING JOINTS

Product Description:

- Highly flexible.
- Simple, homogenous weld.
- No activation necessary.
- Impermeable to water even against negative pressure.
- Can be applied to matt damp substrates without priming.
- Resistant to frost, UV and ageing.

Areas of Application:

ASO[®]-Tape is used in combination with ASODUR[®]-K4031 for waterproofing day/ construction joints and expansion joints as well as for waterproofing cracks and voids in concrete construction. It is additionally suitable for waterproofing transitions, penetrations or differing building materials.

Substrate Preparation:

The substrate must be clean and load-bearing as well as free from adhesion-inhibiting materials. At the time of installation, it may be matt damp but not wet or with saturated pores. In the area to be waterproofed, mechanically prepare the substrate using suitable means e.g., planting, scabbling or grit blasting etc., in order to ensure a good bond. When using on a substrate other than concrete, assess with a trial adhesion test.

When applying joint waterproofing as strips it is essential that the concrete has waterproof qualities. Otherwise, the joint waterproofing must

be used in combination with a surface-applied waterproof membrane.

Product Application:

Coat the prepared substrate on both sides of the joint to be bridged with ASODUR-K4031 to a width min. 1 cm wider than the ASO[®]-Tape being used. Then lay the joint tape and thoroughly bed into the adhesive layer with a trowel or pressure roller without voids or folds and coat over the top. In so doing, ensure that the joint tape is completely bedded. The adhesive or smoothing coat thickness should never be less than 1 mm. Overlap butt joints by a min. of 5 to 10 cm and bond or alternatively hot air weld.

Expansion joints:

Expansion joints always require a 2 mm joint tape and can either be laid flush or in a loop dependent on the project. To accommodate expansion, leave an unbonded section of tape in the expansion area. Dependent on the installation and loading e.g., overhead use or negative water pressure, a reinforcing or supporting construction may be necessary.

Hot air welding:

The joint tapes are cut to suit the project (butt joints or corner joints) and laid on a flat substrate. Butt joints are to be overlapped by a min. 5 cm. The overlap area is to be roughened with abrasive paper and cleaned. Welding is carried out with hot air equipment with a wide nozzle and pressure roller. The welding temperature (reference values:



approx. 300-350°C) is to be set by a trial weld. The joints in the tapes are laid on top of one another appropriately and fixed at the edges by selective welding in order to prevent slipping during welding. Then the wide nozzle of the hot air tool is drawn slowly and evenly over the overlap area and fully joined together with a pressure roller. Before installing check, the weld for a complete watertight bond.

Technical Data:

Basis	: TPE (Thermoplastic Elastomer)
Colour	: Grey
Shore A	
Hardness to ISO 868	: approx. 87
Temperature resistance	: -30°C/ +90°C
Application, substrate and material temperature	: +5°C to +35°C

Material thickness	1.0 mm	2.0 mm
Weight per unit area, g/m ²	approx. 900	approx. 1800
Tensile strength at break, to DIN EN ISO	approx. 14.0	approx. 14.0
527-3, N/mm ² Elongation at	approx. 1000	approx. 1000
Elongation at break, to DIN ISO 527-3, %	approx. 100	approx. 200

Consumption ASODUR®-K4031:

Consumption in kg / m		
Size / Thickness	1.0 mm	2.0 mm
150 mm	approx. 0.8	approx. 1.4
200 mm	approx. 1.0	approx. 1.5
250 mm	approx. 1.1	approx. 1.7
300 mm	approx. 1.3	approx. 1.8
500 mm	approx. 1.8	approx. 2.4

Do not consider extra material consumption for uneven substrates.

Combined test with ASODUR®-K4031:

Tensile adhesion Strength, to PG-ÜBB : > 3.0 N /mm² with break in concrete.

Water impermeability, Positive and negative According to DIN 1048 : 5 bar Crack

Bridging to PG-ÜBB, 1.0 mm crack held for 28 d water pressure 0.75 bar : passed.

Reaction to fire : Class E to DIN EN Packaging : 13501-1 20 m rolls

Size : 150, 200, 250, 300, 500, 1000 mm

Storage : dry and protected from weathering, 12 months in the original unopened packaging. Use within 2 months once opened.

Advice:

- Unlike Hypalon tapes, ASO®-Tape does not require additional surface activation. It must not be brought into contact with solvents.
- Protect the joint tape from mechanical damage by suitable protective measures. With negative water pressure > 0.5 bar a suitable supporting system (apron plate) is indispensable.

