



Technical Data Sheet

INDUBOND-Tape-3000

Thermoplastic joint tape for waterproofing joints

Art.-No. 5 55114

Properties:

- 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



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.

Areas of application:

INDUBOND-Tape-3000 is used in combination with INDUBOND-VK4031 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. planing, scabbling or grit blasting etc., in order to ensure a good bond. When using on substrates 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 INDUBOND-VK4031 to a width min. 1 cm wider than the INDUBOND-Tape-3000 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

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 a 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

INDUBOND-Tape-3000

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 527-3, N/mm ²	approx. 14.0	approx. 14.0
Elongation at break, to DIN EN ISO 527-3, %	approx. 1000	approx. 1000
Tear propagation strength, to DIN 12310-2, N:	approx. 100	approx. 200

Consumption INDUBOND-VK4031:

Size/ Thickness	Consumption in kg/m	
	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

Does not consider extra material consumption for uneven substrates.

Combined test with INDUBOND-VK4031:

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 13501-1

Packaging: 20 m rolls

Sizes: 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, INDUBOND-Tape-3000 does not require additional surface activation. It must not be brought into contact with solvents.
- INDUBOND-Tape-3000 provides excellent adhesion to the epoxy adhesive INDUBOND-VK4031.
- 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.