SCHOMBURG GmbH & Co. KG
Aquafinstrasse 2 – 8
D-32760 Detmold (Germany)
phone +49-5231-953-00
fax +49-5231-953-108
email export@schomburg.de
www.schomburg.com

SCHOMBURG

Technical Data Sheet

ASO®-Joint-Tape-2000-Cross-Piece Art.-No 2 05940
ASO®-Joint-Tape-2000-T-Piece Art.-No 2 05941
ASO®-Joint-Sleeve Art.-No 2 05937 (Wall) Art.-No 2 05937 (Floor)

Special pre-formed joint tapes for highly demanding situations and heavy duty exposure

- Composite material
- Particularly elastic and tear resistant
- Impermeable to water
- Water vapour permeable
- Thin build-up
- Guarantees the quick drying of adhesives and waterproof membranes, which contain water
- Highly resistant to aggressive media

Areas of application:

The ASO-Joint-Tape-2000-Cross-Pieces and ASO-Joint-Tape-2000-T-Pieces are for forming water impermeable crossover details with loop formation for movement joints and connecting joints. ASO-Joint-Sleeve-Wall is used for waterproofing pipe penetrations e.g. shower and bath tub fittings. ASO-Joint-Sleeve-Floor is used for waterproofing flange constructions, floor drains, thin flanges made from stainless steel, brass, PVC-U etc., and large diameter pipe penetrations in e.g. swimming pools, wet rooms. Also for use with penetrations without flanges in areas in contact with the ground exposed to ground moisture / water not under pressure. The pre-formed pieces are installed into the waterproof coating e.g. SANIFLEX, AQUAFIN-RS300, AQUAFIN-2K, AQUAFIN-2K/M, AQUAFIN-1K-flex, ASOFLEX-AKB, ADF-Balkonfolie and SANIFIN. The pre-formed pieces are easily installed and form an integral bond with the named waterproofing system. The pre-formed pieces are suitable for wet duty exposure classes A, B and C in accordance with technical test criteria and for wet duty classifications A0, B0 in accordance with the ZDB data sheet 'bonded waterproof membranes' in interior and exterior areas. We recommend its use in wet duty classification areas A0, B0, A, B, C as well as in bathrooms, kitchens, in living accommodation, private and public sanitary facilities, balconies and terraces, swimming pools (pool shell and pool surround), underground car parks, in areas in direct ground contact as well as in structural movement joints.

Technical Data:

Basis:	composite material fleece-membrane-fleece
Colour:	white with SCHOMBURG lettering
Weight:	approx. 280 g/m²
Thickness:	approx. 0.51 mm ± 0.1 mm

Testing: Component of the SANIFIN waterproof system. Fulfills the requirements of the "test principles for the granting of a general technical test certificate for waterproofing materials in combination with tiled finishes, part 2 sheet form bonded waterproof membranes" for the procurement of an abP. MPA Braunschweig test certificate No. P-5078/818/08/MPA BS

Bursting pressure:	>1.5 bar
UV resistance to DIN EN ISO 4892-2:	minimum 500 hrs

ASO®-Joint-Tape-2000-Cross-Piece
ASO®-Joint-Tape-2000-T-Piece
ASO®-Joint-Sleeve

Resistance to water pressure: min. 1.5 bar
Temperature resistance,
min/max.: -22 °C to +90 °C

Chemical resistance after 7 days storage at +22° C with the following chemicals:
Hydrochloric acid 3%, sulphuric acid 35%, Citric acid 100 g/l, Lactic acid 5%, potassium hydroxide 20%, Sodium hydroxide 0.3 g/l, Salt water 20 g/l (sea salt)

Packaging:
ASO-Joint-Tape-2000-Cross-Piece:
width 20 cm, 10 pieces per box
ASO-Joint-Tape-2000-T-Piece:
width 20 cm, 10 pieces per box
ASO-Joint-Sleeve-Wall:
12 x12 cm, packed 50 pieces per box
ASO-Joint-Sleeve-Floor:
45 x 45 cm, packed 25 pieces per box

Storage: 24 months when stored cool and dry protected from sunlight and weather influences

Substrate preparation:
All usual substrates, which are correctly prepared and suitable for use with the installation of waterproof membranes or tiled finishes. Fine, non-penetrative cracks on the surface of < 0.1 mm are acceptable.

Product application:
Joint waterproofing, wall and floor junctions and bay defining movement joints:
Using the waterproof membrane, bond ASO-Joint-Tape-2000-S or ASO-Joint-Tape-2000-S internal/external corners for use in corners, at the transition between wall and floor as well as interface joints to the prepared area without voids or folds. Where structural movement joints/movement joints cross over, ASOJoint-Tape-2000-T-Pieces or ASO-Joint-Tape-2000-Cross-Pieces are available, which permit them to be laid in a looped formation at cross over points. Butt joints must be overlapped by 5 to 10 cm. Ensure that a sealed connection to the surrounding waterproof membrane is produced.

1. Coat both sides of the joint to be bridged with the waterproof membrane to a width of at least 2 cm wider than the waterproof tape, e.g. with a 4 – 6 mm notched trowel.
2. Then thoroughly work the waterproof tape, without voids or folds, into the waterproof membrane using a steel trowel or pressure roller. Ensure that, as far as possible, a full bed and wetting out is achieved. Bonding must be performed in such as way as to exclude the migration of water behind the waterproof tape.
3. The waterproof tape is to be worked into movement joints as a loop. Overlap butt joints within waterproof tape sections or at interfaces with all waterproof tape pre-formed pieces and corners by a minimum of 5 to 10 cm and bond with the waterproof membrane, without voids or folds. Overcoat with the chosen waterproof membrane.

Waterproofing structural movement joints (safety joint):
Work ASO-Joint-Tape-2000-S in to the joint as a loop, bond with a suitable waterproof membrane and bed into the waterproofing layer without voids or folds as described above. At cross over points insert ASO-Joint-Tape-2000-T-Pieces as well as ASO-Joint-Tape-2000-Cross-Pieces. Where there is water under pressure, additionally insert ASO-SR and bond a further section of ASO-Joint-Tape-2000-S using the appropriate waterproofing material and overcoat.

ASO®-Joint-Tape-2000-Cross-Piece
ASO®-Joint-Tape-2000-T-Piece
ASO®-Joint-Sleeve

Waterproofing pipe penetrations and floor drains:
Wall area in wet duty exposure classes A0, A:
(wall areas exposed to mains or cleaning water moderately or frequently and floor areas with light duty exposure such as e.g. walls and floors in usual domestic use without floor drainage with bath tubs or shower trays. Furthermore for walls in commercial showers and walls with splash contact in usual domestic bathrooms with a floor drain). For waterproofing pipe penetrations in wall areas, use either ASO-Joint-Sleeve-Wall or ASO-Joint-Sleeve-Floor dependent on the diameter. The diameter of the hole in the waterproof gasket must be considerably smaller than the diameter of the pipe, so that the waterproof gasket applies contact pressure to the pipe due to its "memory". As a point of reference, the hole diameter can be estimated as approx. 50% of the pipe diameter, with smaller pipes less and with larger pipes, more.

1. Roughen the pipe penetration, clean and degrease.
2. Apply the waterproof membrane to the substrate and pipe penetration.
3. Then, lightly stretching, push the hole in the ASO-Joint-Sleeve-Wall over the pipe, press firmly in place and cover with the waterproof membrane so that a watertight bond is produced with the other areas of the surrounding waterproof membrane.

Floor and wall areas in wet duty exposure classes A, A0, B0:
(Floor areas exposed to mains or cleaning water moderately or frequently, buildings externally exposed to water not under pressure e.g. bathrooms with floor drains, balconies and terraces, floors in commercial showers, swimming pool surrounds.)

1. Lay the ASO-Joint-Sleeve-Floor over the flange in the floor drain, mark the size of the flange and cut the required opening.
2. Roughen the thin flange, clean and degrease.
3. Using a 4 – 6 mm notched trowel, apply the waterproofing material appropriate for the wet duty exposure class to the thin flange and the area of overlap.
4. Whilst the material is still wet, press in the ASO-Joint-Sleeve-Floor, bedding in without voids or folds, so that a watertight bond is achieved with the surrounding waterproof membrane.

Floor and wall areas in wet duty exposure classes B and C:
(wall and floor areas in swimming pools in interior and exterior areas with water under pressure from the inside. Furthermore wall and floor areas with heavy duty water exposure and limited chemical exposure such as e.g. commercial kitchens).

1. Lay the ASO-Joint-Sleeve-Floor over the flange in the floor drain, mark the size of the flange and cut the required opening.
2. Roughen the thin flange, clean and degrease.
3. With a clean cloth, thinly wipe the stainless steel, brass or PVC-U thin flange with the adhesion promoter INDU-Primer-N. Allow to dry for 30 minutes up to 4 hours maximum, then proceed with the next steps.
4. With a 4 – 6 mm notched trowel, apply ASOFLEX-AKB-Wall to the thin flange and to the overlap area prepared with the DENSARE system. Whilst the material is still wet, press in the ASO-Joint-Sleeve, bedding in without voids or folds, so that a watertight bond is achieved with the surrounding waterproof membrane.
5. Then broadcast ASOFLEX-AKB-Wall with dry 0.2 – 0.7 mm quartz sand, so that following coatings achieve an adequate bond.

Once the waterproof membrane has cured, install tiles using the thin-bed method.

Advice:

- Joints secured with ASO-Joint-Tape-2000-S or appropriate pre-formed pieces must be adequately protected from mechanical damage.

ASO®-Joint-Tape-2000-Cross-Piece
ASO®-Joint-Tape-2000-T-Piece
ASO®-Joint-Sleeve

- ASO-Joint-Tape-2000-S or appropriate pre-formed pieces may not be fixed or coated with solvent based products.
- Wall/floor junctions in areas in the ground as well as structural movement joints must be carried out with ASO-Joint-Tape-2000-S.
- Follow recognised building technology regulations.
- Heed the relevant current regulations.
  For Germany e.g.:
  DIN 18157
  The BEB information sheets distributed by the Bundesverband Estrich un Belag e.V.
  The ZDB information sheets, distributed by the professional association of the German Tile Industry:
  [*1] „Bonded waterproof membranes""
  [*3] „Movement joints in tiled wall and floor finishes"
  [*5] „Ceramic tiles, natural stone tiles and cementbound tiles on cement-based floor constructions on insulation"
  [*6] „Ceramic tiles, natural stone tiles and cement-bound tiles on heated cement-based floor constructions"