

ASO[®]-Dichtmanschette-Wand

Preformed waterproof sections



Material number	Length	Width, article	Material strength	Contents	Packaging	Colour
205937001	12 cm	12 cm	approx. 0.51 mm	1	piece	White with SCHOMBURG logo

Product features

- Fleece-laminated wall collar
- Tear resistant
- Highly flexible and stretchy
- Extra thin
- Highly resistant
- Crack bridging

Advantages

- Tested system product
- Can be adjusted individually to the required diameter
- High bonding to cementitious waterproofing slurry or polymer dispersions thanks to fleece-laminated surface

Areas of use/bonded waterproofing

- To integrate tap extensions and intersections into the bonded waterproofing system
- As a system component for bonded waterproofing for water impact class WO-I to W3-I in accordance with DIN 18534

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Technical Data

Material properties

Product components	Piece goods
Base material	Composite material: Fleece-membrane-fleece
Diameter (internal)	approx. 16 mm
For pipe diameter	approx. 24 - 40 mm
Burst pressure	≥ 1.5 bar
Expansion, crosswise (DIN EN ISO 527-3)	> 300 %
UV-resistance as per DIN EN ISO 4892-2	500 hours
Sd value	> 1 m
Sealing against pressing water until	1.5 bar
Temperature resistance	- 22 + 90 °C
Vapour diffusion behaviour	Vapour diffusion behaviour

Application

Consumption	1 unit per pipe penetration
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Application technology

Aids/tools

- Serrated or layer-thickness trowel
- Flat trowel
- Brush
- Pressure roller
- Scissors/knife

Suitable substrate

- Dry screeds
- Raised floors
- Tile bearing elements
- Firmly adhering tiled finishes
- Concrete, cement screed (CT), floor levelling compounds, calcium sulphate screeds (CA, CAF), mastic asphalt screeds (AS), magnesia screeds (MA)
- Cement-based plaster, gypsum plaster, cement-lime plaster, lightweight plaster
- Bonded waterproofing; the suitability of the substrate must be checked and observed, taking into account the planned water impact class of DIN 18534 and DIN 18531.

Substrate preparation

Requirement for substrate

1. Dry
2. Load-bearing
3. Even
4. Sealed in the surface
5. Free of cracks
6. Free from negative pressing water
7. Free of adhesion inhibiting substances

Measures for substrate preparation

Instructions for substrate preparation can be found in the technical data sheet of the selected sealing material.

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Usage

Application

1. Clean and de-grease the pipe penetration.
2. On the thin-bed flange (made of stainless steel, gunmetal, PVC-U, etc.) Wipe INDU-Primer-N on with a clean cloth as an adhesion promoter. The subsequent work steps follow after 30 minutes to a maximum of 4 hours waiting time.
3. Apply the selected waterproofing material to the prepared substrate.
4. The system design in wear class C is the same as described for the DENSARE system.
5. Choose a ASO[®]-Dichtmanschette-Wand that is suitable for the pipe diameter. The hole diameter of the sealing sleeve must be smaller than the pipe diameter so that the sealing sleeve is pressed against the pipe penetration.
6. Widen the hole diameter of the sealing sleeve slightly and slip it over the pipe connection. Alternatively, if direct connection to the pipe is not possible (blanking plugs mortared in), prepare the final assembly with ASO[®]-DMH (Joint-Sleeve-Installation tool).
7. Press the sealing sleeve into the waterproofing layer meticulously without voids or wrinkles, using a flat trowel or pressure roller.
8. Glue the sealing sleeve to the waterproofing material without wrinkles, covering the whole area, and overcoat after.
9. The sealing sleeve must be integrated into the area waterproofing seamlessly. A tight connection to the area waterproofing must be made.

Storage conditions

Storage

Cool, dry, protected from sunlight. Min. 24 months in the original container.

Disposal

Product leftovers can be disposed of in household waste.

Notes

- Pipe penetrations that are secured with ASO[®]-Dichtmanschette-Wand must be protected adequately against mechanical damage.
- ASO[®]-Dichtmanschette-Wand may not be glued or overcoated afterwards with products containing solvents.

Planning, inspection of substrates and building site circumstances, laying, grouting and subsequent care of the work must be done in accordance with the relevant DIN standards and recognised rules of technology (e.g. the ZDB sheets of the Zentralverband Deutsches Baugewerbe e.V.) in the latest version.

Annotations

Chemical durability

The chemical resistance after 7 days storage at +22° C exists in the following chemicals:	Concentration (%)
Hydrochloric acid	3%
Sulphuric acid	35%
Citric acid	100.0 g/l
Lactic acid	5%
Caustic potash	20%
Sodium hydroxide	0.3 g/l
Seawater	20.0 g/l

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Impact classes and typical applications in accordance with DIN 18534-1

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Water exposure class	Water exposure		Example applications
W0-I	Low	Surfaces with less frequent exposure to splash water	<ul style="list-style-type: none"> o Areas of wall surfaces above wash-basins in bathrooms and sinks in domestic kitchens o Areas of floor surfaces in domestic areas without drains, e.g. in kitchens, utility rooms, guest WCs
W1-I	Mode	Surfaces with frequent exposure to splash water or less frequent exposure to service water, without intensification due to accumulating water.	<ul style="list-style-type: none"> o Wall surfaces above bath-tubs and in showers in bathrooms o Floor surfaces in the domestic area with drain o Floor surfaces in bathrooms with/without drain without high exposure to water from the shower area
W2-I	High	Surfaces with frequent exposure to splash water and/or service water, mainly on the floor but temporarily intensified by accumulating water	<ul style="list-style-type: none"> o Wall surfaces of showers in sports facilities/commercial sites o Floor surfaces with drains and/or gutters o Floor surfaces in rooms with showers that are flush with the floor o Wall and floor surfaces of sports facilities/commercial sites
W3-I	Very high	Surfaces with very frequent or long-lasting exposure to splash and/or service water and/or water from intensive cleaning procedures, intensified by accumulating water	<ul style="list-style-type: none"> o Surfaces in the area around the perimeters of swimming pools o Surfaces of showers and shower facilities in sports facilities/commercial sites o Surfaces in industrial sites (professional kitchens, laundries, breweries, etc.)

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