



Technical Data Sheet

ASO®-Dichtmanschette-K (Waterproof gasket) Art.-No. 2 05934

Capillary blocking waterproof gasket with elastic zone

CE 0799	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold 18 204990 SANIFLEX-EU Construction kit for producing waterproofing for walls and floors in wet rooms	
0799-CPR-150	
ETA-17/0469 ETAG 022-1	
Reaction to fire	E
Release of dangerous substances	see SDS
Water vapour permeability	
with ASO-UnigrundD	$s_d = 44m$
with ASO-Unigrund-GE/K	$s_d = 9m$
with ASO-UnigrundS	$s_d = 6.8m$
Water impermeability to EN 13967	waterproof
Crack bridging ability	category 1: 0.4 mm
Tensile strength	≥ 0.5 MPa
Joint bridging ability	category 2: waterproof
Watertightness at penetrations	category 2: waterproof
Water resistance	category 2: ≥ 0.5 MPa
Temperature resistance	category 2: Temperature resistant
Resistance to alkalis	category 2: Alkali resistant
Workability	applicable
Thickness	at least 0.5 mm

- Composite material.
- Especially elastic and tear resistant.
- Impermeable to water.
- Thin section.
- Guarantees rapid drying of water containing tile adhesives and waterproof membranes.
- Highly resistant to aggressive media.

Areas of application:

ASO-Dichtmanschette-K is used to waterproof pipe penetrations e.g. shower and bath fittings.

ASO-Dichtmanschette-K is incorporated within waterproof coatings e.g. SANIFLEX, AQUAFIN-RS300, AQUAFIN-2K, AQUAFIN-2K/M, AQUAFIN-1K-PREMIUM, ASOFLEX-AKB and SANIFIN. ASO-Dichtmanschette-K is easy to use and forms an intimate bond with the named waterproofing systems. The pre-formed pieces are suitable for wet duty exposure classes A and C in accordance with general technical test criteria and wet duty exposure classes A0, B0 in accordance with the ZDB data sheet "Bonded waterproof membranes" for interior and exterior areas.

The product is a component of the SANIFLEX-EU construction kit in accordance with ETAG 022-Teil 1.

For waterproofing flanges, floor drainage, thin-bed flanges produced from stainless steel, brass, PVCu etc. and large diameter pipe penetrations in e.g. swimming pools, wet rooms, use ASO-Dichtmanschette-Floor.

Technical Data:

Basis: Composite material
 fleece-membrane -fleece
 Colour: white, with SCHOMBURG lettering

External measurement in mm, approx.	120 × 120	150 × 150	250 × 250
Elastic zone diameter in mm, approx.	35	65	130
Hole diameter in mm, approx.	15	35	65
Pipe diameter in mm, approx.	20-30	40-60	70-125
Total weight in g/piece, approx.	5.8	8.5	23.1

Thickness: approx. 0.55 mm
 Verification: System component of the SANIFLEX waterproof system, fulfils the requirements in accordance with "ETAG 022"

Bursting pressure: minimum 1.5 bar

Water pressure resistance to DIN EN 1928, method B: minimum 1.5 bar
 Temperature resistance, min./max.: -5°C to +60°C

ASO®-Dichtmanschette-K

Chemical resistance after 7 days storage at +22°C, is given for the following chemicals:

Hydrochloric acid 3%
Sulphuric acid 35%
Citric acid 100 g/l
Lactic acid 5%
Potassium hydroxide 20%
Sodium hydroxide 0.3g/l
Salt water 20g/l (sea salt)

Packaging: 120×120mm (50 pieces/box)
150×150mm (25 pieces/box)
250×250mm (25 pieces/box)

Storage: cool, dry, protected from sunlight and weathering. Use within 24 months of delivery.

Substrates:

All usual substrates, which are suitable for the application of waterproof membranes or tiles and have been professionally prepared. Refer to technical data sheet for the waterproofing product to be used. Fine, non-penetrating surface cracks < 0.1 mm are permissible.

Product application:

Waterproofing of pipe penetrations:

Wall areas in wet duty exposure classes A0, A:

(Wall areas moderately to heavily exposed to tap water or cleansing water and floor areas insignificantly exposed, e.g. walls and floors with usual household use without a floor drain with bath or shower tray. Also for walls in public showers and normal domestic bathroom walls, subjected to splash contact, with a floor drain).

ASO-Dichtmanschette-K is used for waterproofing pipe penetrations in wall areas, dependent on diameter. The hole diameter in the gasket must always be considerably smaller than the pipe diameter, so that there is contact pressure between the ASO-Dichtmanschette-K and the pipe penetration due to the "memory effect".

Guide values are given in the "Technical data" section.

1. Clean and degrease the pipe penetration.
2. Apply the waterproofing material to the prepared substrate (as part of the system).
3. Then lightly stretch the hole diameter in the ASO-Dichtmanschette-K and push over the pipe bracket (circular type capillary break to the outside). Work in with the waterproofing material so that a void free seal with no folds and integrating with the surrounding surface applied membrane is produced.

Floor and wall areas in wet duty exposure class C:

(Wall and floor areas in interior and exterior swimming pools with water under pressure on the inside. Also wall and floor areas with heavy duty water exposure and limited chemical exposure e.g. commercial kitchens)

1. Clean and degrease the pipe penetration.
 2. Using a clean cloth, wipe a thin bonding coat of ASO-Primer-2000 to the stainless steel, brass or PVCu thin-bed flange. After waiting for 30 minutes up to a maximum of 4 hours, carry out the following work steps.
 3. Trowel apply the waterproofing material ASOFLEX-AKB-Wall to the overlap areas and pipe penetration as prepared in the DENSARE system. Within the open time of the trowelled coat, press in the ASO-Dichtmanschette-K and bed in without voids or folds, so that a watertight connection with the surrounding surface applied membrane is produced (circular type capillary break to the outside).
 4. Then broadcast ASOFLEX-AKB-Wall with 0.2 - 0.7 mm diameter kiln dried quartz sand, in order to facilitate an adequate bond for subsequent coatings.
 5. Once the waterproof membrane has hardened, install tiles using the thin-bed method.
 6. Any possible necessary repairs are to be carried out following the technical illustrations 3.20.1 to 3.20.3 with the particular waterproofing material used.
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ASO®-Dichtmanschette-K

Advice:

- Pipe penetrations secured with ASO-Dichtmanschette-K must be adequately protected against mechanical damage.
- The ASO-Dichtmanschette-K may not be bedded in/overcoated with products containing solvents.
- Follow recognised rules for construction.
- Observe the relevant current regulations.
E.g.: DIN 18157
The BEB information sheets, distributed by the Bundesverband Estrich und 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 wall and floor tile finishes"
[* 5] "Ceramic tiles, natural stone and cement-bound composite slabs on cement-based floor constructions with insulation"
[* 6] "Ceramic tiles, natural stone and cement-bound composite slabs on heated cement-based floor constructions"

Please refer to a current valid EU safety data sheet.