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

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

Art.-No. 2 03554

Art.-No. 2 03555

Waterproofing beneath tile and slab finishes

CE

SCHOMBURG GmbH & Co. KG
Aquafinstraße 2–8
D-32760 Detmold, Germany
19
2 03554

EN 14891
ASOFLEX-AKB-floor
Water impermeable reactive resin product to be applied in liquid form for use under ceramic tiles and paving slabs for outdoor areas

EN 14891: RM

Initial adhesive tensile strength	≥ 0.5 N/mm²
Adhesive tensile strength	
After contact with water	≥ 0.5 N/mm²
After heat ageing	≥ 0.5 N/mm²
After freeze/thaw cycles	≥ 0.5 N/mm²
After contact with cold water	≥ 0.5 N/mm²
Water impermeability	no water penetration
Crack bridging	≥ 0.75 mm

CE

SCHOMBURG GmbH & Co. KG
Aquafinstraße 2–8
D-32760 Detmold, Germany
19
2 03555

EN 14891
ASOFLEX-AKB-wall
Water impermeable reactive resin product to be applied in liquid form for use under ceramic tiles and paving slabs for outdoor areas

EN 14891: RM

Initial adhesive tensile strength	≥ 0.5 N/mm²
Adhesive tensile strength	
After contact with water	≥ 0.5 N/mm²
After heat ageing	≥ 0.5 N/mm²
After freeze/thaw cycles	≥ 0.5 N/mm²
After contact with cold water	≥ 0.5 N/mm²
Water impermeability	no water penetration
Crack bridging	≥ 0.75 mm

SCHOMBURG GmbH & Co. KG Detmold
P 11792 / 18-548
P 11265 / 18-539
Polymer Institut

GEV-EMICODE EC 1 very low emission

- Solvent-free, pigmented, two-component polyurethane resin
- Elastic with high crack bridging
- Good resistance to chemicals and brine
- Diffusion-tight for chloride ions
- Self-crosslinking
- In two (alternating) shades
- Very low-emission – GEV EMICODE EC1
- Bonded waterproofing (AIV) in accordance with DIN 18534 and DIN 18531-5

Areas of application:

ASOFLEX-AKB-Floor / ASOFLEX-AKB-Wall are system components of the bonded waterproofing for the DENSARE-PREMIUM and ASOFLEX-AKB systems. They are used as system components in accordance with the test principles for waterproofing materials to be applied in liquid form bonded with tile coverings for the following areas of application/stress classes:

- A: Wall and floor surfaces in wet rooms such as swimming pool walkways as well as public showers that are subject to heavy wear from service and cleaning water
- C: Wall and floor surfaces in commercial premises, with limited chemical exposure.

ASOFLEX-AKB is suitable for stress classes A and C in accordance with the building authority test criteria PG-AIV-F, furthermore for waterproofing in accordance with the ZDB data sheet (*1 and *7). The watertightness in the installed state, including the ASO joint tape technology, was tested in accordance with the testing principles for waterproofing in conjunction with tiles and paving slabs (AIV) up to 25 m water column.

Suitable as a tile bond sealant (AIV) for the following water impact classes:

- Bonded waterproofing for water impact classes W0-I to W3-I in accordance with DIN 18534, also with chemical exposure, e.g. canteen kitchens, slaughterhouses, dairies, breweries
- Steam saunas, swimming pool surrounds, communal showers

ASOFLEX-AKB is suitable for use in interior spaces in accordance with the French VOC regulation (French VOC classification regulation and CMR emission regulation). Very low emissions in accordance with GEV-EMICODE, which normally results in positive evaluations within the scope of building certification systems in accordance with DGNB, LEED, BREEAM, HQE. Maximum quality level 4, lines 2, 3, 7, 8 in accordance with DGNB criteria "ENV 1.2 Risks to the local environment".

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

Technical data:

	ASOFLEX-AKB-Floor	ASOFLEX-AKB-Wall
Basis:	2-comp. polyurethane resin	2-comp. polyurethane resin
Colours:	Blue approx. RAL 5013 Grey approx. RAL 7038	Blue approx. RAL 5013 Grey approx. RAL 7038
Mixing density*:	approx. 1.15 g/cm³	approx. 1.15 g/cm³
Mixing ratio:	100 : 35 parts by weight	100 : 33 parts by weight
Consumption [1]	approx. 1.3 kg/m² and mm layer thickness	
Substrate temperature/processing temperature:	+10 °C to +30 °C, humidity < 70 % r.h., ideal from 15-25 °C	
Foot traffic*:	after at least 16 hours	after at least 16 hours
Processing time*:	approx. 25–40 min.	approx. 25–40 min.
Overcoat* (See details in the respective system structure):	after at least 16 hours max. 7 days	after at least 16 hours max. 7 days
Chem. resilient*:	after at least 7 days	after at least 7 days
Adhesive tensile strength:	≥ 1 N/mm²	≥ 1 N/mm²
Crack bridging ability referring to DIN 28052-6 (PG AIV), 0.4 mm: Crack bridging ability referring to EN 14891:	Passed ≥ 0.75 mm	Passed ≥ 0.75 mm
Shore-A hardness:	approx. 90	approx. 85
Water vapour diffusion coefficient µ, approx.:	29 400	37100
Vapour permeable s_d at 1 mm layer thickness approx:	29 m	37 m
Water-tightness when installed in accordance with PG MDS/AIV:	2.5 bar	
Permissible tank depth in accordance with PG-AIV / DIN 18535:	10 m	
Capillary water absorption << 0.01 kg/m² · $h^{0,5}$ therefore chloride ion diffusion can be ruled out.		
Reaction to fire:	E_{fl}	E

* at +23 °C and 50 % relative humidity

Cleaning the tools: The tools have to be cleaned carefully with ASO-R001 immediately after use.

Packaging: **ASOFLEX-AKB-Floor:**
5-kg and 10-kg containers
ASOFLEX-AKB-Wall:
2.5 and 5 kg containers

Storage: Component A and component B are in the predetermined mix ratio in the pierceable container. Frost-free, cool and dry, ≥+10 to +30 °C, 6 months in the original unopened container. The reactivity may decrease with extended storage. Protect the material against direct sunlight during storage!

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

System components	Stress classes in accordance with test principles in accordance with PG-AIV-F		
	A In accordance with ZDB data sheet (*1) and DIN 18534 W0-I – W3-I	Bonded waterproofing (AIV) in accordance with DIN 18531-5 and ZDB data sheet Exterior coverings (AIVF)	C In accordance with ZDB data sheet (*1) and DIN 18534 W3-I
ASODUR-SG3-thix	×	×	×
ASO-LL, for the electrically controllable variant system structure DENSARE-PREMIUM	×	×	×
ASO-LB, for the electrically controllable variant system structure DENSARE-PREMIUM	×	×	×
ASOFLEX-AKB-Floor/Wall	×	×	×
ASO-Joint-Tape-2000	×	×	
ASO-Joint-Tape-2000-S	×	×	×
ASO-Joint-Tape-2000-Corners, (90° internal/external)	×		
ASO-Joint-Tape-2000-S-Corners, (90° internal/external)	×	×	×
ASO-Joint-Tape-2000-T, crossing	×	×	×
ASO-Joint-Sleeve-Floor/Wall	×	×	×
ASO-Joint-Sleeve-Wall - flexible	×		×
MONOFLEX-XL	×		×
UNIFIX-S3	×	×	×
ASODUR-EKF	×	×	×
CRISTALLFUGE-EPOX	×	×	×
Auxiliary materials: ASO-R001, INDU-PRIMER-N, quartz sand (grain size 0.5 – 1.0 mm)			

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

Substrate preparation:
The surfaces to be treated must be
- dry, firm, load-bearing and slip-proof,
- free of separating and adhesion inhibiting substances, e.g. dust, slurry, grease, rubber abrasion, coating residues, etc.,

Depending on the area of application, substrate preparation must be completed according to DIN18534, ZDB data sheet "Bonded waterproofing (AIV)" or "Exterior Coatings".
Depending on the condition of the substrate to be treated, suitable methods, e.g. sweeping, vacuuming, brushing, grinding, milling, sandblasting, ultra-high-pressure water blasting, shot blasting must be used for preparation.

In accordance with the respective substrate, the following criteria must also be met:

Concrete quality class, PCC mortar (in accordance with DIN EN 1504-3):	at least C 20/25, minimum 6 months old, surface tensile strength ≥ 1.5 N/mm²
Plaster quality class:	P III a / P III b, at least 28 days old, surface tensile strength ≥ 0.8 N/mm²
Screed quality class	min. CT-C25-F4, at least 28 days old, surface tensile strength ≥ 1.0 N/mm². In the context of tiles and panel coverings on a separating layer or insulation, a moisture content. of < 2 CM% must be maintained.

Product preparation:
Component A (resin) and component B (hardener) are delivered in the predetermined mix ratio.
The material temperature should be at least +15 to +25 °C during the mixing procedure. Stir the A-component (resin) thoroughly before mixing. Component B is added to the thoroughly mixed component A.
It should be ensured that the hardener drains completely from its container. A suitable mixer should be used to mix the two components, and this should be completed at approx. 300–500 min^{-1} (e.g. drilling machine with stirrer) in order to mix in as little air as possible. The contents should also be stirred up from the sides and from the base, so that the hardener will be distributed evenly. Stirring should be continued until the mixture becomes homogeneous (streak-free). Do not apply the mixed material from the delivered packaging! Decant the bulk density to a clean mixing bucket and thoroughly mix again as described above. Total mixing time at least 4 minutes.

Method of application / consumption:
Primer:
In floors, walls and ceilings
Apply ASODUR-SG3-thix in two application steps fresh in wet pore sealed!
(See Technical Data Sheet ASODUR-SG3-thix)
Consumption: approx. 600–1000 g/m²

Do not sand the primer coat. Use a low-level wool roller or a whitewash brush to apply the material equally first, and then use a primer brush to brush it into the surface zone meticulously, and then use the wool brush to rework it again afterwards. On the horizontal surfaces, ASODUR-SG3-thix is equally distributed first with a rubber slider, and then the primer brush is used to brush it into the surface zone meticulously, and again a wool roller is used to work it in using a crosswise technique.
Protect the surfaces against fouling! Walk on the surface with clean shoe covers only until the complete system construction of the ASOFLEX-AKB / DENSARE-PREMIUM system has completed.
Positional requirements for the DENSARE PREMIUM system:
In order to enable the electrical monitoring of the waterproofing, after a waiting time of at least 12 hours or max. 5 days, lay the ASO-LB conductive tape in a grid of 10 × 10 m on the surfaces coated with ASODUR-SG3-thix. Roll the ASO-LB conductive tape firmly and guide it out of the surface to be waterproofed at several points for later electrical monitoring. Lay the

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

ASO-LB in a loop-like manner in the area of movement joints, structural movement joints and connecting joints. Then apply the conductive layer for the electrical monitoring of the waterproofing. The mixed ASO-LL is distributed thinly in portions with a nylon wool roller (e.g. 6 mm, with textured polyamide cover) in a crosswise motion. Then roll evenly in a crosswise motion with a low-level wool roller.
Consumption: approx. 100 to max.150 g/m²
Do not apply more material than specified! Higher application quantities increase the waiting time for the subsequent work steps! The conductivity and adhesive tensile strength are reduced!
Protect the surfaces against fouling! Walk on the surface with clean shoe covers only until the complete system construction of the ASOFLEX-AKB / DENSARE-PREMIUM system has completed.
The ASOFLEX-AKB waterproofing is applied on top of the ASO-LL conductive layer after a waiting time of at least 12 hours or a maximum of 3 days. The waterproofing is applied in an alternating colour shade.

Floor drains/pipe penetrations and lead-throughs must be provided with suitable flange elements (sealing flanges made of stainless steel, gunmetal or PVC-HD or ABS, flange width at least 50 mm). Roughen, clean and degrease the flanges, then apply the INDU-Primer-N adhesive primer and distribute it thinly and evenly using a rag. (Consumption approx. 10 ml/m²). After a flash-off time of 10 minutes to a maximum of 24 hours, generously apply ASOFLEX-AKB-Wall to the flange and overlap area. Embed the ASO-Joint-Sleeve-Floor/Wall, depending on the nominal diameter, into the fresh layer without voids or wrinkles in the transition area, so that a tight connection to the ASOFLEX-AKB-Wall waterproofing can be made.
Consumption: approx. 400 g/m²

Expansion and connecting joints, Bond ASO-Joint-Tape-2000-S / ASO-Joint-Tape-2000-S internal/external corners in the corner areas, in the transition between wall and floor as well as over connecting joints with ASOFLEX-AKB-Wall.
ASOFLEX-AKB-Wall is applied with a 4 mm notched trowel to both sides of the joints to be bridged at least 2 cm wider than the joint tape to be used. The joint tape is placed in the fresh layer and then meticulously pressed in without voids or wrinkles. Bonding must be carried out in such a way that water cannot migrate around the back. The joint tape to be used should be inserted in a loop over movement joints. The joint tape edges must be adhered overlapping at least 5–10 cm with ASOFLEX-AKB-Wall, free of wrinkles and covering the whole area. Finally, the bonded joint tapes must be coated over with ASOFLEX-AKB-Wall and seamlessly integrated into the waterproofing.
Proceed in the same way when inserting ASO joint tape pre-formed pieces. Structural movement joints are waterproofed in the same way, whereby ASO-Joint-Tape-2000-S is worked into the joint cross-section in a loop-like manner.
Use the ASO-Joint-Tape-2000-Cross piece or ASO-Joint-Tape-2000-T shaped pieces in the area of the intersecting structural movement joints, expansion joints and connecting joints, which also allow a loop-like design in the intersection area.

Surface waterproofing, after a sufficient waiting time of at least 16 hours so that previous waterproofing work will not be damaged, overcoat the ASO-Joint-Tape-2000-S joint tape technology with ASOFLEX-AKB-Wall/-Floor for at least 5 cm during the course of surface waterproofing.

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

ASOFLEX-AKB system structure:

<table>
<tr><th>Horizontal surfaces</th><th>Vertical surfaces</th></tr>
<tr><td colspan="2">a. Priming:
Apply ASODUR-SG3-thix wet in fresh on the floor, walls and ceiling areas in two application steps pore-sealed!
(See Technical Data Sheet ASODUR-SG3-thix)
Consumption: approx. 600–1000 g/m².</td></tr>
<tr><td colspan="2">Carry out the following work step after a waiting time of at least 12 hours or max. 5 days.</td></tr>
<tr><td colspan="2">b. Prime flanges:
Roughen, clean and degrease the flanges, then apply the INDU-Primer-N adhesive primer and distribute it thinly and evenly using a rag.
Consumption: approx. 10 ml/m²
Flash-off time 10 minutes to a maximum of 24 hours
After the flash-off time, generously apply ASOFLEX-AKB-Wall to the flange and overlap area. Embed the ASO-Joint-Sleeve-Floor/ Wall, depending on the nominal diameter, into the fresh layer without voids or wrinkles in the transition area, so that a tight connection to the ASOFLEX-AKB-Wall waterproofing can be made.
Consumption: approx. 400 g/m²</td></tr>
<tr><td>c. Waterproofing layer:
ASOFLEX-AKB-Floor, colour shade: Apply blue, non-porous by means of a trowel.
Consumption)[1]: min. 1300 g/m²
After applying the primer coat, roll the still wet waterproofing surface intensively in a crosswise movement using a spiked roller within 15 minutes to ensure ventilation (freedom from pores).</td><td>c. Waterproofing layer:
ASOFLEX-AKB-Wall, colour shade: Apply blue, non-porous by trowel method using a suitable tool.
Consumption)[1]: min. 1300 g/m²</td></tr>
<tr><td colspan="2">Carry out the following work step after a waiting time of at least 12 hours or max. 7 days.</td></tr>
<tr><td>d. Bedding layer:
ASOFLEX-AKB-Floor, colour shade: Grey, apply using the roller method.
Consumption)[1]: approx. 350 g/m²</td><td>d. Bedding layer:
ASOFLEX-AKB-Wall, colour shade: Grey, apply by roller or trowel method.
Consumption)[1]: approx. 350 g/m²</td></tr>
<tr><td colspan="2">After 15 to max. 30 minutes, scatter with the system-tested quartz sand (grain size: 0.5-1.0 mm).</td></tr>
<tr><td>e. Interspersion:
The fresh bedding layer is scattered evenly with quartz sand (grain size: 0.5–1.0 mm).
Consumption: approx. 800–1000 g/m²
Note: Interspersion must not be conducted to excess so that "scattering through" can be ruled out.</td><td>e. Interspersion:
The fresh bedding layer is scattered evenly with quartz sand (grain size: 0.5–1.0 mm).
Consumption: approx. 800–1000 g/m²
Note: Interspersion should be done with an air-jet gun and must not be conducted to excess so that “scattering through” can be ruled out.</td></tr>
<tr><td colspan="2">Protect the surfaces against fouling! Walk on the surface with clean shoe covers only until the complete system construction of the ASOFLEX-AKB / DENSARE-PREMIUM system has completed. When cured, the unbound quartz sand content has to be carefully removed (sweep off, scrape off, vacuum away) before bonding the coverings. The adhesives referred to under system components must be used, bearing in mind the assigned stress or water exposure class. The cementitious adhesives MONOFLEX-XL and UNIFIX-S3 may be applied to the bedding layer no earlier than after 3 days. The epoxy resin adhesives ASODUR-EKF and CRISTALLFUGE-EPOX already after 16 hours. The waterproofing layer must be totally hardened at the time of the laying work.
)[1] Possible additional consumption in case of uneven substrates and artisanal variations must be considered. Therefore a thickness allowance of at least 25 % must be taken into account in accordance with the DIN 18534 standard. The times specified are applicable for ambient conditions of +23 °C and 50 % relative humidity! The substrate temperature must be at least 3 K above the dew point temperature during coating work! The Additional Technical Information No. 19 "Processing of ASODUR Products", containing a dew point table, must be complied with.</td></tr>
</table>

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

System structure DENSARE-PREMIUM (electrically testable for tightness):

<table>
<tr><th>Horizontal surfaces</th><th>Vertical surfaces</th></tr>
<tr><td colspan="2">a. Priming:
Apply ASODUR-SG3-thix wet in fresh on the floor, walls and ceiling areas in two application steps pore-sealed! (See Techn. Data Sheet ASODUR-SG3-thix)
Consumption: approx. 600–1000 g/m².</td></tr>
<tr><td colspan="2">Carry out the following work step after a waiting time of at least 12 hours or max. 5 days.</td></tr>
<tr><td colspan="2">b. Apply conductive tape and conductive varnish:
Lay the ASO-LB conductive tape in a 10 × 10 m grid. Then apply the conductive layer for the electrical monitoring of the waterproofing.
Roll the mixed ASO-LL in a thin layer in a crosswise manner.
Consumption: approx. 100 to max. 150 g/m²
Do not apply more material than specified! Higher application quantities increase the waiting time for the subsequent work steps!
The conductivity and adhesive tensile strength are reduced. Do not apply more material than specified! (See Technical Data Sheet ASO-LL)</td></tr>
<tr><td colspan="2">Carry out the following work step after a waiting time of at least 12 hours or max. 3 days. Check the thorough drying in advance!</td></tr>
<tr><td colspan="2">c. Prime flanges:
Roughen, clean and degrease the flanges, then apply the INDU-Primer-N adhesive primer and distribute it thinly and evenly using a rag.
Consumption: approx. 10 ml/m²
Flash-off time 10 minutes to a maximum of 24 hours
After the flash-off time, generously apply ASOFLEX-AKB-Wall to the flange and overlap area. Embed the ASO-Joint-Sleeve-Floor/Wall, depending on the nominal diameter, into the fresh layer without voids or wrinkles in the transition area, so that a tight connection to the ASOFLEX-AKB-Wall waterproofing is made.
Consumption: approx. 400 g/m²</td></tr>
<tr><td>c. Waterproofing layer:
ASOFLEX-AKB-Floor, colour shade: Apply blue, non-porous by means of a trowel.
Consumption)[1]: min. 1300 g/m²
After applying the primer coat, roll the still wet waterproofing surface intensively in a crosswise movement using a spiked roller within 15 minutes to ensure ventilation (freedom from pores).</td><td>c. Waterproofing layer:
ASOFLEX-AKB-Wall, colour shade: Apply blue, non-porous by trowel method using a suitable tool.
Consumption)[1]: min. 1300 g/m²</td></tr>
<tr><td colspan="2">Carry out the spark inductor test after a waiting time of at least 16 hours or max. 7 days, and subsequently the bedding layer.</td></tr>
<tr><td colspan="2">Spark inductor test:
The non-destructive layer thickness check in the DENSARE-PREMIUM system is performed no earlier than 16 hours after completion of the waterproofing layer in accordance with DIN 55 670. The localisation of pores, cracks and minimum layer thicknesses of the coating material with a bristle electrode.
• Test voltage: 3.0 kV • Test device: ELMED Isotest inspect 8.0 • Test speed: maximum 40 cm/sec
Localised voids should be marked and rectified with ASOFLEX-AKB-Wall within a radius of 20 cm. A contact filler with ASOFLEX-AKB-Wall must be established first, then comb and smooth ASOFLEX-AKB-Wall with a 4 mm notch. After an adequate hardening time, another spark inductor test is performed, this loop is run until an intact waterproofing layer is present.</td></tr>
<tr><td>d. Bedding layer:
ASOFLEX-AKB-Floor, colour shade: Grey, apply using the roller method.
Consumption)[1]: approx. 350 g/m²</td><td>d. Bedding layer:
ASOFLEX-AKB-Wall, colour shade: Grey, apply by roller or trowel method.
Consumption)[1]: approx. 350 g/m²</td></tr>
<tr><td colspan="2">After 15 to max. 30 minutes, scatter with the system-tested quartz sand (grain size: 0.5-1.0 mm).</td></tr>
<tr><td>e. Interspersion:
The fresh bedding layer is scattered evenly with quartz sand (grain size: 0.5–1.0 mm).
Consumption: approx. 800–1000 g/m²
Note: Interspersion must not be conducted to excess so that "scattering through" can be ruled out.</td><td>e. Interspersion:
The fresh bedding layer is scattered evenly with quartz sand (grain size: 0.5–1.0 mm).
Consumption: approx. 800–1000 g/m²
Note: Interspersion should be done with an air-jet gun and must not be conducted to excess so that "scattering through" can be ruled out.</td></tr>
<tr><td colspan="2">Protect the surfaces against fouling! Walk on the surface with clean shoe covers only until the complete system construction of the ASOFLEX-AKB / DENSARE-PREMIUM system has completed. When cured, the unbound quartz sand content has to be carefully removed (sweep off, scrape off, vacuum away) before bonding the coverings. The adhesives referred to under system components must be used, bearing in mind the assigned stress or water exposure class. The cementitious adhesives MONOFLEX-XL and UNIFIX-S3 may be applied to the bedding layer no earlier than after 3 days. The epoxy resin adhesives ASODUR-EKF and CRISTALLFUGE-EPOX already after 16 hours. The waterproofing layer must be totally hardened at the time of the laying work.)[1] Possible additional consumption in case of uneven substrates and artisanal variations must be considered. Therefore a thickness allowance of at least 25 % must be taken into account in accordance with the DIN 18534 standard. The times specified are applicable for ambient conditions of +23 °C and 50 % relative humidity! The substrate temperature must be at least 3 K above the dew point temperature during coating work! The Additional Technical Information No. 19 "Processing of ASODUR Products", containing a dew point table, must be complied with.</td></tr>
</table>

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

Important advice:

- SCHOMBURG products are normally delivered in working packs, i.e. in matched and predetermined mix ratios. For deliveries in large packs, partial quantities must be weighed out using a scale. Always stir up the filled components thoroughly and only then mix them with the second component. This takes place using a suitable stirrer, e.g. a round-plate mixing machine or equivalent. To avoid mixing errors, the material is transferred to a clean container and mixed again. The mixing speed should be approx. 300–500 min^{-1}. Ensure that air is not mixed in. The temperature of the components should be minimum +15 °C. Then apply the completely mixed material immediately to the prepared substrate and distribute meticulously in accordance with the instructions in the technical data sheets.
- The use of short pile nylon fur rollers (6 mm) with textured polyamide cover or equivalent is recommended.
- Higher temperatures shorten, lower temperatures extend the application and hardening times.
- Severely absorbent substrates that tend towards pores, bubbles, pinholes must be treated beforehand. In addition to this, 6–8 % ASO-FF (fibre filler material) is mixed into ASODUR-SG3-thix. Using the levelling compound that is created, a scratch coat is completed first. Next, a 4 mm toothed trowel is used for fresh-in-fresh application, and then the layer is smoothed off. After the material has hardened, ASODUR-SG3-thix is used to prime after 12 hours or max. 5 days, as described in the application procedure under "Priming" or in the system structure under a.
- Colours: Slight colour differences, caused by different production batches and raw material fluctuations may occur and are not significant for the waterproofing function.
- The bonding between the individual layers can be strongly disrupted between the individual application steps due to the effects of dampness and contamination! Coating work requires a substrate temperature of at least 3 K above the dew point temperature.
- If longer waiting times arise between the individual application steps or surfaces that have already been treated with liquid resin are coated again after an extended period of time, the old surface must be well cleaned and thoroughly ground and then primed with INDU-Primer-N. Then apply a complete pore-free new coating.
- Surface protection systems must be protected against moisture (e.g. rainwater, condensation water) after application until they have reacted. Moisture results in surface stickiness and may result in pores/bubbles and interference with hardening. Discoloured and/or sticky surfaces must be removed and reworked, e.g. through grinding or shot blasting.
- The indicated consumption quantities are calculated values without additions for surface roughness and absorbency, level compensation, and residual material in the container. We recommend a calculated safety addition on top of the calculated consumption quantities.
- The relevant regulations are to be taken into account! For example:
  DIN 18157
  DIN 18352
  DIN 18531
  DIN 18534
  DIN 18352
  DIN 18560
  DIN 18202
  EN 13813
  DIN EN 1991-1-1
  The BEB data sheets, issued by the Bundesverband Estrich und Belag e.V. [Federal association for screed and covering].
  The technical information “Interface coordination with heated floor constructions”
  The ZDB data sheets, issued by the Fachverband des deutschen Fliesengewerbes [professional association of the German tile trade]:
  [*1] “Bonded waterproofing (AIV)”

ASOFLEX-AKB-Floor
ASOFLEX-AKB-Wall

[*3] “Movement joints in cladding and coverings made of tiles and boards”
[*4] "Large formats"
[*5] "Coverings on cementitious screeds and calcium sulphate screeds"
[*7] "Exterior coverings"
[*8] "Coverings on mastic asphalt screed"
[*9] "Height differences"
[*10] "Tolerances"
[*11] "Clean, protect, care"

Please observe valid safety data sheet!