

ASODUR®-SG2



SCHOMBURG

The SCHOMBURG GROUP, which includes SCHOMBURG, TEUTOBURG and RETHMEIER, is a national and international partnership for the production and distribution of high quality building product systems.

SCHOMBURG GmbH with its international partnerships focuses in the areas of

- Waterproofing and restoration
- Tile setting systems
- Industrial floor coating and water protection systems according to § 19 WHG (=water protection act)
- Coatings for water & wastewater structures

TEUTOBURG and RETHMEIER serve the market with products such as:

- Thermal insulation systems
- Coatings & stuccos for facades
- Products for the concrete industry

Professionals value the quality and affordability of our products, our commitment to service, and the firm technical foundation on which the group is built.

Our experienced sales staff provides technical advice and service throughout Germany while the distribution of our products is effected through professional wholesalers.

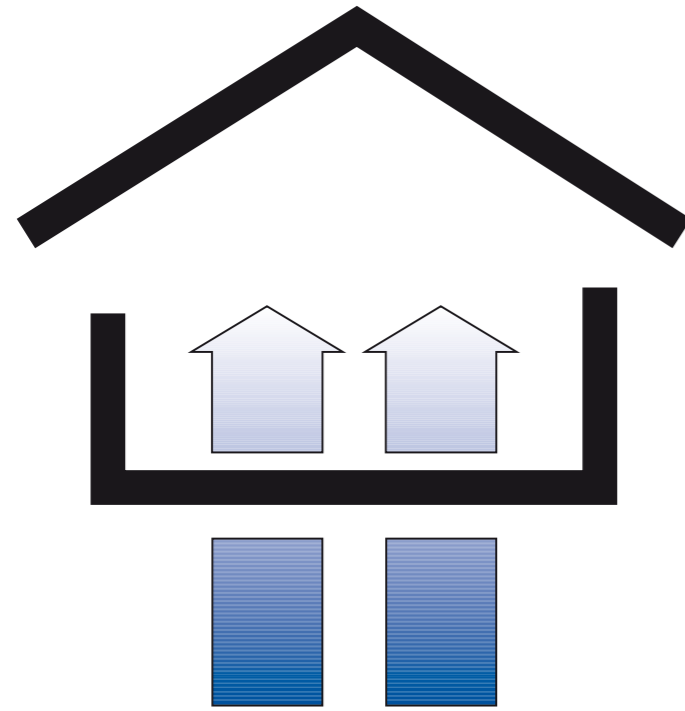
The know-how of the SCHOMBURG group is recognized and sought everywhere, making it an integral part of world wide technology transfer.

We reserve the right to change the formulation of single products or to take single products out of our range of products due to latest technical development or knowledge after printing of this sales brochure.



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ASODUR®-SG2

combines an unusually wide variety of advantages in one unique product:

- Vapour barrier
- Moisture tolerant
- High chemical resistance
- Excellent adhesion on damp substrates
- Good adhesion after freeze/thaw cycling
- Easy to apply – one coat application
- Functions as negative side waterproofing
- Provides good bonding for additional top coatings such as adhesives, epoxies and self levelers

Areas of application:

Concrete slabs on or below grade such as

- Industrial/retail facilities
- Office buildings
- Hospitals and schools
- Residential slabs

Typical applications:

- Concrete slabs with missing or damaged vapour barriers
- Oil contaminated concrete substrates
- One week old concrete slabs and underlayments
- New concrete slabs with excessive moisture content to receive a flooring or coating



ASODUR®-SG2

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is a unique 2-component, moisture tolerant, extremely high-density epoxy based product, which prevents the passage of water vapour and moisture through slabs on or below grade, thus eliminating delamination of adhesives, floor coverings and coatings. It also prevents capillary infiltration of oil or other chemicals from the ground and can be used to treat oil-contaminated slabs.

ASODUR®-SG2

reduces water vapour emission levels of up to 25 lbs/1000 ft²·24 hrs (5 g/m²·hrs) to well below accepted levels for subsequent application of flooring systems such as epoxies, vinyl tiles, sheet vinyl, carpets, wood flooring, etc.

Water Vapour Emission Test: Use "Anhydrous Calcium Chloride" testing as per ASTM F 1869-98 to determine the existing water vapour emission rate prior to application of **ASODUR®-SG2**.

Surface Preparation:

Use steel shot blasting, high-pressure water or abrasive (sand) blasting, scarifying or other suitable means to obtain a uniform, absorptive surface, free of existing coatings or any bond inhibitors. (ICRI CSP 2-3 profile.) Rinse all surfaces to be treated with clean water, leaving no standing water.



Failed epoxy flooring due to excessive water vapour transmission.



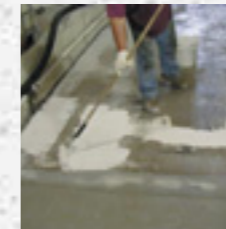
Surface preparation



Cleaning/ rinsing surface from debris.



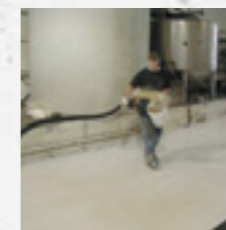
Mixing AQUAFIN ASODUR®SG2 in supplied container.



Application step 1, spreading material evenly over surface with squeegee or roller.



Application step 2, scrubbing material into the substrate pores with a brush.



Application step 3, sanding of surface for bonding of subsequent epoxy top-coating.



Finished surface, ready to receive top-coating.

Mixing and Application:

Thoroughly mix resin and hardener (component A & B) as per data sheet instructions.

Pour and spread product in one coat at a rate of 115 ft²/gal (2.8 m²/liter) by roller or squeegee to the moist substrate, and carefully scrub it into the pores with a long handled brush. Follow with a roller to achieve a uniform coverage. Protect treated area from strong sunlight and wind. Indoors, prevent noticeable drafts.

Broadcast #20 mesh (0.5-1.0 mm) sand into fresh application.

Installation time: 1 day

Refer to Technical Data sheet for full application instructions.

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Adhesion to

New concrete 110 psi
5 days old (0.8 Mpa)

Concrete, moist 550 psi
28 days old (3.8 Mpa)

Concrete, dry 580 psi
28 days old (4.0 Mpa)

Mixing ratio: 100:12 by weight
Density: 15.49 lbs/gal (1.86 kg/l)
Working time: 1 hrs*)
Open to foot traffic: 12 hrs*)
Recoat time: 12 hrs*)
Full strength: 7 days*)
(*) at an ambient temperature of 73 °F (23 °C) at 60% relative air humidity

Moisture Vapour Transmission:
3 lbs/1000 ft²·24 hrs
(0.6 g/m²·hrs) or less

Permeance:

Refer to product and material safety data sheets for full details.