

Product Selection Chart

Use the following information to decide which VAPORTIGHT COAT®-SG product fits the job:

	SG2	SG3
Properties	Heavy Duty Broadcast	Heavy Duty Non-Broadcast
Material	2-Component Epoxy 97% Solids	2-Component Epoxy 100% Solids
Color	White	Clear
VOC content, mixed	46.8 g/L	0 g/L
Suitable for MVER or RH up to	25 lbs/100%	25 lbs/100%
Applied to damp concrete	Yes	Yes
Requires full broadcast of sand	Yes	No
Sealing oil contaminated slabs	Yes	No
High alkalinity barrier up to pH 14	Yes	Yes
Applied to 5 day old concrete	Yes	Yes



AQUAFIN Inc. plant in Elkton, MD, USA

Production and quality control:

VAPORTIGHT COAT® SG products are manufactured in Detmold, Germany. AQUAFIN® powder and liquid products are produced in Elkton, MD, USA and Riviera Beach, FL, USA.

AQUAFIN, Inc. is a member of AQUAFIN International GmbH.

Other facilities are located world wide.

All AQUAFIN products go through effective quality control in the QC-laboratories at the plant site.



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Distributed by:



Building Product Systems

Waterproofing & Concrete Restoration

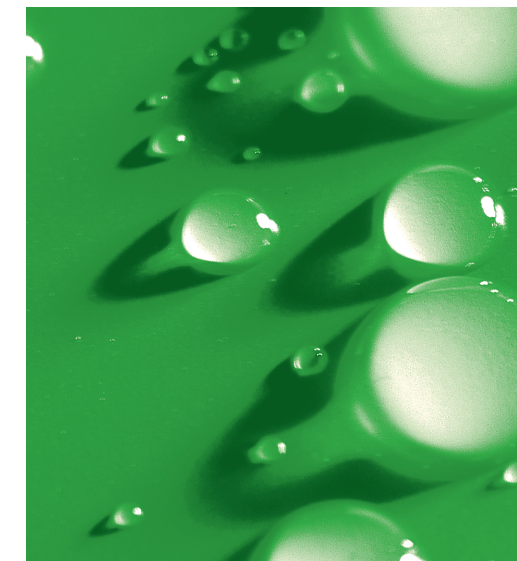
Decorative Coatings

Moisture Vapor Remediation & Flooring

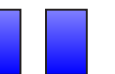
Injection Grouting

Typically Applied Moisture Vapor Reduction Systems

for new and existing concrete slabs



Safe from the ground up...



Moisture & Leveling

Full System Solutions:

Aquafin also provides a line of moisture tolerant, cementitious self leveling underlayments and patching materials.

LEVEL-Ultra - High performance, moisture tolerant, calcium aluminate, cementitious self-leveling underlayment

- Installs from 1/8" - 1 1/4" (3 - 31.5 mm)

LEVEL-Plus - High build, moisture tolerant, calcium aluminate, cementitious self-leveling underlayment

- Installs from 1/4" - 2 1/2" (6 - 63 mm)

LEVEL-Patch-FF - Rapid setting, horizontal concrete floor finish

- Apply from featheredge to 3/8" (9.5 mm)



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Moisture Vapor Reduction Systems

The **VAPORTIGHT COAT®-SG** products reduce water vapor emission levels of up to 25 lbs/1000 ft²·24 h (5 g/m²·h) and RH 1 of 100% to well below accepted levels for subsequent application of flooring systems such as epoxies, vinyl tiles, sheet vinyl, carpets, wood flooring, etc.

Two unique products...both single-coat systems

VAPORTIGHT COAT®-SG2

Oil & Vapor Barrier

A 2-component, moisture tolerant, extremely high-density epoxy based product which prevents the passage of water vapor and moisture through slabs on or below grade, thus eliminating delamination of adhesives, floor coverings, coatings and hot applied roofing membranes. It is a full broadcast system that can also be used to treat oil-contaminated slabs as it prevents capillary infiltration of oil and other chemicals from the ground.

When time is of the essence SG ACCELERATOR can be used to significantly increase cure time, allowing the application of floor coatings in a little as 2 – 3 hours.

VAPORTIGHT COAT®-SG3

Vapor Barrier

A 2-component, 100% solids, moisture tolerant, epoxy product which prevents the passage of water vapor and moisture through slabs on or below grade, thus eliminating delamination of adhesives, floor coverings, roofing membranes and coatings. It is a non-broadcast system that can be applied in one coat for most applications.

When time is of the essence SG ACCELERATOR can be used to significantly increase cure time, allowing the application of floor coatings in a little as 4 – 5 hours.



VAPORTIGHT COAT®-SG combines an unusually wide variety of advantages in a unique product line:

- Vapor barrier
- Moisture tolerant
- High chemical resistance
- Excellent adhesion to 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, self levelers and roofing membranes

TYPICAL AREAS OF APPLICATION:

Concrete slabs on, below or above grade such as

- Industrial/retail facilities
- Office buildings
- Hospitals and schools
- Field houses
- Running tracks (indoor/outdoor)
- Concrete roof decks
- Hangars
- Warehouses

TYPICAL APPLICATIONS:

- Concrete slabs with missing or damaged vapor barriers
- Oil contaminated concrete substrates
- Fast track construction schedules – 5 day old concrete slabs
- New concrete slabs with excessive moisture content to receive a flooring or coating

Water Vapor Emission Test: Use "Anhydrous Calcium Chloride" testing as per ASTM F 1869-98 or ASTM F-2170 to determine the existing water vapor emission rate - relative humidity prior to application of **VAPORTIGHT COAT®-SG** products.

Consult product data sheet for full technical information!



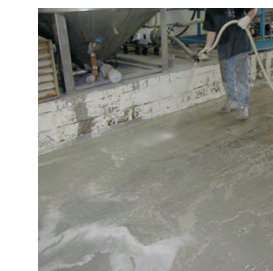
SURFACE PREPARATION

Use steel shot blasting, scarifying or other suitable means to obtain a uniform, absorptive surface, free of existing coatings or any bond inhibitors (ICRI CSP 3-5 profile).

Predampening substrate helps to improve penetration and reduce air displacement.



Steel shotblasting.



In case of oil contamination: Degrease slab with microbial or citrus degreaser and then rinse thoroughly.

MIXING AND APPLICATION

Thoroughly mix resin and hardener (component A & B) as per data sheet instructions. Pour and spread product in one coat (application rates can be found on data sheet) by roller or squeegee to the substrate.

For VAPORTIGHT COAT®-SG2 only, carefully scrub into the pores with a long handled brush to promote deep penetration into the slab.

Follow with a roller to achieve a uniform coverage. Protect treated area from strong sunlight and wind. Indoors, prevent noticeable drafts.

Refer to Technical Data Sheet for full application instructions!



Mixing VAPORTIGHT COAT®-SG2 or -SG3 in supplied container.

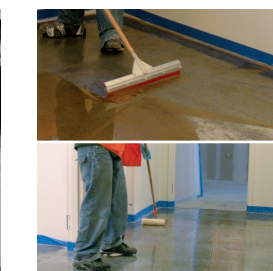


SG2: Application step 1: Scrub material into the substrate with a brush.

Application step 2: Back-roll with a shortnap, non-shed roller to achieve a uniform finish.



SG2 only: Application step 3: Broadcast #20 mesh (0.5 – 1.0 mm) sand to full rejection into fresh material.



SG3: Application step 1: Spreading material evenly over surface with squeegee or roller.

Application step 2: Back-roll with a shortnap, non-shed roller to achieve a uniform finish.



SG3: Finished installation ready to receive flooring and/or cementitious underlayment.