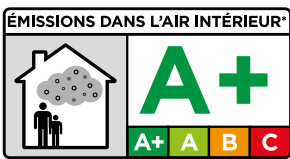
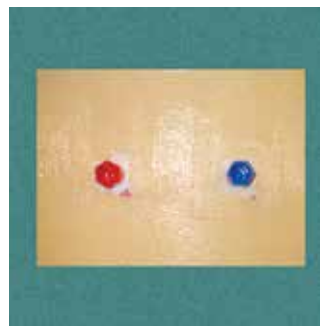




# ACQUASHIELD-GEL

Liquid applied, fast setting, elastomeric waterproof membrane

- Easy to apply single component
- Single application possible, reducing working steps
- Seamless waterproof membrane system
- Fast curing allows tiling on same day
- Excellent crack bridging properties
- Breathability allows release of trapped moisture
- Tiling should be done with adhesive such as: BENFERFLEX LIGHT, BENFERFLEX C2, BENFERFLEX+S1



## TECHNICAL DATA:

ACQUASHIELD-GEL is a liquid applied, ready to use, synthetic rubber based polymer dispersion which dries to form a seamless elastomeric waterproof membrane. The waterproof membrane provides a breathable yet water proof elastomeric barrier with crack bridging properties. ACQUASHIELD-GEL is approved as the waterproof component of the German ZDB-Code of Practice for the application of indoor & outdoor waterproofing and tiling systems.

## AREAS OF APPLICATION:

ACQUASHIELD-GEL is used to waterproof wet rooms such as shower areas, bathrooms, kitchens and sanitary areas in public and private buildings. ACQUASHIELD-GEL is used to waterproof balconies and terraces beneath tiles in temperate climate zones (without long term frost load). ACQUASHIELD-GEL is suitable for fast track job requirements and overcomes the complications associated with intricate waterproofing details. ACQUASHIELD-GEL is, however, not suitable for continuous water immersed conditions or as a final exposed waterproof finish.

## CONTRACT ITEM SPECIFICATIONS:

Supplies and setting of liquid applied, fast setting, elastomeric waterproof membrane, ready to use; used to waterproof damp rooms such as shower areas, bathrooms, kitchens and sanitary areas in public and private buildings. Crack bridging value > 0,75 mm with thickness of dry film of 0,6 mm and elongation of 112% at 20°C, as ACQUASHIELD-GEL by Benfer S.r.l. The possible second coat (necessary for application with roller or paintbrush) must be applied only when the first one cannot be damaged by following coatings (not before at least 3 hours). Apply the product in 1, 2 kg/m<sup>2</sup> thick (approx. 0,6 mm of thickness of dry film) in one application.



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

**METHOD OF USE:****SUBSTRATES PREPARATION:**

All surfaces to receive ACQUASHIELD-GEL should be clean, sound, dry and free from grease, oils, curing membranes, laitance and any loose particles to ensure good adhesion, in accordance with the code of ZDB practical recommendations.

Surfaces should be smooth and fine textured with undulations levelled off where possible. Concrete and cementitious substrates should be at least 5 days old.

Where necessary to seal off dust and cohesiveness to improve the substrate, use BENFERPRIM. It is recommended that ACQUASHIELD-GEL be applied at a rate of 1.2 kg/m<sup>2</sup> once the primer is dry. Prior to the application of ACQUASHIELD-GEL, it is recommended that all construction joints, wall/floor joints, pipe inlets and outlets are sealed with BSWTAPE. ACQUASHIELD-GEL is used to fix BSWTAPE to the wall/floor joints, including overlaps, internal/ external corner pieces and sealing of pipe inlets and outlets.

**PRODUCT APPLICATION:**

Apply ACQUASHIELD-GEL by brush, roller or notched trowel. For a single application, use a 4 mm notched trowel to evenly spread ACQUASHIELD-GEL followed by smoothing with a roller. For brush or roller applications, two coats are recommended. The first coat should dry (3 hours at +40°C) before the second coat is applied. Once the final ACQUASHIELD-GEL coat is dry, tiling can commence using a polymer modified tile adhesive such as the ones of the range BENFERFLEX, such as BENFERFLEX RAPIDO, C2+, BENFERFLEX C2, BENFERFIX EXTRA with CEMLATEX 600, BENFERGRIP+ with CEMLATEX 600 and BENFERFIX RAPIDO with CEMLATEX 600. The joints must be made with DEKOGROUT+, DEKOGROUT, DEKOGROUT-2K or EPOXYJOINT.

**ADVICES:**

- ACQUASHIELD-GEL is none hazardous. When in doubt refer to relevant Material Safety Data Sheet. Please refer to local environmental laws for modes of disposal.
- Excess material and spillages should be immediately cleaned and disposed of in accordance with local environmental regulations.
- Protect areas not be treated with ACQUASHIELD-GEL.
- Protect ACQUASHIELD-GEL from contact with water until fully cured.
- Polymer dispersions can only fully cure when the substrate temperature is min. +3°C above the rooms dew point temperature. Therefore, longer curing times should be calculate when working in areas with high RH.
- Consult all valid technical datasheets of other mentioned products before beginning any applications.
- To increase pot life/working time at higher temperature store material in a cool environment above +5°C and only expose to warm temperature shortly before mixing.

*Please observe a valid European Materials Safety Data Sheet.*

**CLEANING:** Unhardened ACQUASHIELD-GEL can be removed from tools and equipment with water. Once cured, material can only be removed mechanically.

**CONSUMPTION:** ACQUASHIELD-GEL: 1.2 kg/m<sup>2</sup> (at 0.6 mm dft) BENFERPRIM: 0.2 kg/m<sup>2</sup>.

**PACKAGING:** ACQUASHIELD-GEL is available in 5 kg, 12 kg and 20 kg pails. BENFERPRIM is available in 1, 10 or 25 kg.

**STORAGE:** In original, unopened palletised containers, stored in well ventilated, dry conditions at temperatures between +5°C and +35°C.

**SHELF LIFE:** 15 months.

#### PRODUCT TECHNICAL DATA

Basis:	Liquid polymeric dispersion
Colour:	Beige
Conservation:	15 months in the original closed package in a cool dry place
Danger of harm:	No
Flammability:	No
Apparent mass volume:	1400 kg/m <sup>3</sup>
Mixture ratio:	Ready to use
Consistency:	Thixotropic gel
Mixing time:	Mixing manually for a few seconds
Application temperature:	From + 5° C to + 30° C
Pot Life:	60 min*
Maximum/minimum thickness:	0,6 mm for coat
Light traffic on dry supports:	1 day
Tiles application:	1 day
Adhesion strength:	≥ 0,8 N/mm <sup>2</sup>
Tensile strength after water contact:	≥ 0,8 N/mm <sup>2</sup>
Impermeability:	No penetration
Resistance to traction:	1,8 N/mm <sup>2</sup>
Elongation to break:	132%
Resistance to temperature:	From -10°C to + 45°C

\*at +23°C and 50% relative humidity

PLEASE NOTE: The information given in this chart is based on our best experience and indicative only. It must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.