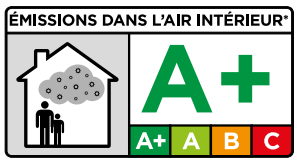
ACQUASHIELD-READY

Liquid applied, fast setting, elastomeric waterproof membrane

ADVANTAGES

- Rapid hardening allows to tile two hours after second coat application*
- It is not necessary to use waterproofing tape to connect plans to be coated provided the gap is 3 mm or lower
- Excellent crack bridging properties, it seals directly cracks and seams not structural up to 3 mm wide
- Bonds directly to metal and PVC plumbing fixtures only
- Inside and outside for showers, bathrooms, wellness centres, jacuzzi, swimming pools, kitchens, balcony and terraces
- High yield: 5.30 m² per 5 kg and 10.50 m² per 10 kg bucket



APPLICATION ADVANTAGES

- Extremely tender and fast to apply, it require the same effort of a paint
- Once dry it change colour from light green to olive green, to make easier tile application
- No solvents, low VOC emission
- Bucket shape allows roller to get in

CERTIFICATIONS

- Classified "extra heavy service" according to ASTM C627 Robinson floor test
- Conforms to EN 14891:2017 DMOP, ANSI A118.12
- Equipped with anti-microbial technology Microban® to protect the treated article

*at +23°C e 50% relative humidity

TECHNICAL ASSISTANCE

INSURANCE GUARANTEE

TECHNICAL MEETINGS

PROFESSIONAL USE

CONTRACT ITEM SPECIFICATIONS:

Supplies and setting of liquid applied, fast setting, elastomeric waterproof membrane, ready to use, for damp rooms such as shower areas, bathrooms, kitchens and sanitary areas in public and private buildings, with excellent crack bridging ability, which seals directly shrinkage cracks and no structural cracks up to 3 mm wide and bonds directly to metal and PVC plumbing fixtures, like ACQUASHIELD-READY by Benfer.

TECHNICAL CHARACTERISTICS:

ACQUASHIELD-READY is a liquid applied, ready to use, 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-READY is approved as the waterproof component of waterproofing systems and tile laying systems, inside and outside.

AREAS OF APPLICATION:

ACQUASHIELD-READY is used to waterproof wet rooms such as shower areas, bathrooms, kitchens, swimming pools, balcony, terraces and sanitary areas in public, industrial and private buildings. ACQUASHIELD-READY is specially recommended when working in time constriction because it overtakes complications caused by the use of fabrics or waterproof tapes and collars due to its ability to fill directly gaps lower than 3 mm in width.
ACQUASHIELD-READY is not suitable as a finish coat, it must be covered with tiles, mosaic or natural stone.

SUITABLE SUBSTRATES:

Concrete, screed, plaster, gyps board, wooden board*, cement fiber board*.
Do not apply on Masonite, hardwood, marine play wood. Do not use on cracks over 3 mm in width, in such situation use BSWTAPE-AD, or BSWTAPE in connection with ACQUASHIELD-READY.
Do not use as a vapor barrier. Do not expose to negative hydrostatic pressure. Do not expose unprotected membrane to sun or weather for more than 15 days. Always cover with tiles, natural stone, screed, cement mortar.
*after BENFERPRIM application

METHOD OF USE:

SUBSTRATES PREPARATION:

All surfaces to be coated with ACQUASHIELD-READY should be clean, sound, dry and free from grease, oils, membranes, laitance and any loose particles to ensure good adhesion.
Surfaces should be smooth and fine textured with undulations levelled off where possible.
Concrete and cementitious substrates should have completed hydraulic shrinkage.
Where necessary to seal off dust and cohesiveness to improve the substrate, use BENFERPRIM or STARPRIM. It is recommended to apply ACQUASHIELD-READY once the primer is dry.
Before the application on plans It is recommended that all construction joints, wall/ floor joints, pipe inlets and outlets are sealed with ACQUASHIELD-READY applied directly by brush, provided the gap is 3 mm or lower. Apply the product at the side of the treated voids 20 cm wide. In case the void is larger than 3 mm it is necessary to fill it with a suitable BENFER mortar and/or to seal it using BSWTAPE-AD, or BEWTAPE in connection with ACQUASHIELD-READY.

PRODUCT APPLICATION:

Air and substrate temperature should be within 10°C and 35°C during the application.
Avoid application in strong sunlight and insure rain protection until the product is cured.
Apply ACQUASHIELD-READY by brush, roller or notched trowel in two coats using 0.95 kg per square metre resulting in a dry film thickness within 0.5 and 0.8 mm.
Start sealing all the voids within floor and wall, wall and wall, around pipes and drains using a brush in a manner that the product can penetrate deeply, covering almost 10 cm at the sides of the joints. Proceed spreading ACQUASHIELD-READY on all the substrate by roller. Once the first coat is dry to the touch changing color in olive green, apply a second coat using a 2 mm notched trowel, to smooth with the straight side of the trowel to obtain a uniform surface.
Once dry it is possible to apply tiles or stones using a polymer modified adhesive such as BENFERFLEX (all kind) and PRIMOFLEX. Joints will be filled with an epoxy grout like DEKOGROUT-3K or DEKOGROUT-2K, or with a cement based grout like DEKOGROUT+ or DEKOGROUT.

ADVICES:

- Protect areas not be treated with ACQUASHIELD-READY.
- Protect ACQUASHIELD-READY from contact with water until fully cured.

CLEANING: until fresh ACQUASHIELD READY can easily be removed from tools with water, once dry can be only mechanically removed.
CONSUMPTION: 0.95 kg / m², corresponding to 0.5-0.8 mm dry film thickness
PACKING: ACQUASHIELD READY is available in 5-10-20 kg bucket.
CONSERVATION AND SHELF LIFE: 24 months in the original closed package in a cool dry place.

PRODUCT TECHNICAL DATA

Basis:	Liquid polymeric dispersion
Colour:	Light green
Conservation and shelf life:	24 months in the original closed package in a cool dry place
Flammability:	No
Apparent mass volume:	1360 kg/m³
Mixture ratio:	Ready to use
Consistency:	Soft cream
Mixing:	Manually for a few seconds
Application temperature:	From + 10° C to + 35° C
Maximum/minimum thickness of the dry film:	0.5 - 0.8 mm
Vapor permeable	
Light traffic on dry supports:	2 hours*
Tiles application:	2 hours from second coat application*
Initial Adhesion:	≥ 0.5 N/mm²
Adhesion after Immersion in Water:	≥ 0.5 N/mm²
Adhesion after Heat Action:	≥ 0.5 N/mm²
Adhesion after Freeze-Thaw Cycles:	≥ 0.5 N/mm²
Adhesion after Immersion in Calcium-Saturated Water:	≥ 0.5 N/mm²
Adhesion after Immersion in Coloured Water:	≥ 0.5 N/mm²
Permeability:	No penetration
Crack-bridging:	> 5 mm
Crack-bridging Ability (-5°C):	> 0,75 mm
Resistance to traction:	1.8 N/mm²
Elongation to break:	250%
Resistance to temperature:	From - 20°C a +130°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.