

LIQUID WATERPROOFING SYSTEM

AQUABIT

Waterproofing paste for foundations, small terraces and balconies

One component, water-based bituminous waterproofing mortar, developed to improve workability and covering features. The product is enriched with polystyrene microspheres that allow the application of the material in thicknesses up to 5 mm (0,19 in). In this way it is possible, applying just one coat, to fill and smooth the typical irregularities of concrete foundation walls. Excellent elasticity and crack bridging ability. Good resistance to salts. It can be applied both on old and new foundation walls. *Aquabit* can replace the application of the traditional bituminous membrane on foundation walls, flower boxes (maximum 10 m²) (107,64 ft²) and small terraces or balconies (< 20m²) (<2 15,28 ft²)

BENEFITS

- Easy and quick application (just 1 coat)
- Multipurpose
- Elasticity and durability over years
- Resistant up to 5 ATM (73,5 psi) in positive pressure
- No weldings
- Totally cold application
- Application even at low temperatures
- UV rays resistant
- Application on cement without any primer
- It does not need maintenance
- It does not soften in prolonged contact with water
- Solvent free product. Non toxic and not flammable
- Tiles can be glued directly over *Aquabit* using a good adhesive for outdoor
- It can be applied over already paved surfaces [(<20 m²) (215,28 ft²)] in combination with *Grip Primer*

APPLICATION FIELDS

The product is suitable for the waterproofing of:

- foundations;
- vertical surfaces;
- small flower boxes [(max 10 m²) (107,64 ft²)];
- small terraces or balconies (<20 m² / 215,28 ft²).

Thanks to its highly versatility and to thixotropy it is suitable for any area, horizontal or vertical, where waterproofing is more difficult.

It is suitable even to waterproof already paved surfaces (< 20 m² / 215,28 ft²) in combination with *Grip Primer*.

YIELD

2,00 l/m² for about 2,5 mm of thickness.

One gallon covers up to 20 sq ft. for about 0,09 in of thickness.

COLOUR

Black.

PACKAGING

10 l (2,60 gal U.S.) plastic bucket.

25 l (6.60 gal U.S.) plastic bucket.

Pallet:

- n° 60 plastic bucket, 10 l each (tot 600 l);

- n° 40 plastic bucket, 25 l each (tot 1000 l).

[n° 60 plastic bucket, 2,60 gal U.S. each (tot 158,30 gal U.S.)];

[n° 40 plastic bucket, 6.6 gal U.S each (tot 263,80 gal U.S.)].

STORAGE

Store the product in well ventilated area, away from sunlight and ice, at temperatures between +5°C and +35°C (+41°F and +95°F).

Storage time: 12 months.



For application video, product page, safety data sheet.

Waterproofing - Liquid

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Products can be tested in a closed environment (lab) but job specific features of a project can effect the performance of these products from project to project.

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Technical Data

Features		Unità di misura
Yield	2,00 l/m ² for about 2,5 mm of thickness One gallon covers up to 20 sq ft.	l/m ² 1 gal U.S. x ft ²
Aspect	semidense	-
Colour	black	-
Dilution	Max 10% of water	-
Mixture consistency	paste	-
Application temperature	+5 /+35 (+41/+95)	°C °F
Drying time (T=20°C (68 °F); R.H. 40%)	6	hours
Storage	12 months in original container and in dry places	months
Packaging	25 l (6,60 gal U.S.) or 10 l (2.60 gal U.S) plastic bucket	l gal U.S.

LEED® Credits

Standard GBC HOME

Thematic Area	Credit	Point
Materials & Resources	MRp2 - Construction Waste Management	compulsory
	MRc2- Construction Waste Management	from 1 to 2
	MRc3 - Low Emitting Materials	from 1 to 3
	MRc4 – Recycled content	from 1 to 2
	MRc5 – Materials extracted, processed and produced in short distance (regional materials)	from 1 to 2

Standard LEED for New Construction & Major Renovation, v. 2009

Thematic Area	Credit	Point
Materials & Resources	MRc2- Construction Waste Management	from 1 to 2
	MRc4 - Recycled Content	from 1 to 2
	MRc5 – Regional Materials	from 1 to 2
Indoor Environmental Quality	IEQc3.2 - Construction Indoor Air Quality Management Plan—Before Occupancy	1
	IEQc4.1 - Low Emitting Materials - Adhesives and Sealant	1

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Final performances		Units	Regulations	Results
Waterproofing capacity (positive counterthrust)	5,0 (73,50 psi)	Atm psi	UNI EN 12390-8	Waterproof
Crack Bridging Ability	2,0 0,08	Mm in	ASTM C1305-00	Resistant
Break elongation	207,92%	-	ISO 527-1	Elastic
Elongation after 5000 hours of artificial accelerated aging (Weathering Test)	56%	-	-	Elastic
Weathering Test	1000 without remarkable changes	hours	-	Resistant
Resistance after 50 freeze-thaw cycles (-15°C/+15°C) (59°F/+59°F)	unchanged	-	UNI EN 202	Unchanged
Adhesion of glue for tile over <i>Aquabit</i> – Adhesion test – pull off	>7 (>1015,30)	MPa lbf/in ²	UNI EN ISO 4624:2006	-
Salts resistance (in water saturated NaCl for 80 days)	unchanged	-	-	Unchanged

* The above data, even if carried out according to regulated tests are indicative and they may be change when specific site conditions vary.

PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts.
- Do not apply over very damaged surfaces.
- The temperature of the support must be between +5°C and +35°C (+41°F and +95°F).
- In case of new cement support, this must be perfectly dry and seasoned.

MIXING

Aquabit is on component, ready to use. Mix with mixing drill for 2-3 minutes, if necessary dilute with at max 10% of water. Do not dilute and never add antifrost products, cement or aggregates.

APPLICATION

Waterproofing of vertical surfaces

Apply one coat of *Aquabit* using an american spatula, realizing a minimum thickness of 2,5 mm (0,09 in). The product can be applied using an airless in one coat; immediately after the application, smooth *Aquabit* surface with an american spatula. Apply with a constant thickness over the entire surface, to create a continuous layer. Do not interrupt the work over horizontal and vertical joints or on angles.

Waterproofing of balconies and terraces (< 20 m²) (215,28 ft²)

1. Waterproof vertical joints and eventual dilatation joints with *Safety Joint Top* (see technical data sheet).
2. Apply one coat of *Aquabit* using an american spatula, realizing a minimum thickness of 2,5 mm (0,09 in).
3. Apply tiles with a good adhesive for outdoor.

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Waterproofing of already paved surfaces (< 20 m²) (215,28 ft²)

1. Prepare the paved surface with *Grip Primer* (see technical data sheet).
2. Once *Grip Primer* is completely dry (24 hours), waterproof vertical joints with *Safety Joint Top* (see technical data sheet).
3. Apply one coat of *Aquabit* using an american spatula, realizing a minimum thickness of 2,5 mm (0,09 in).

DRYING TIME

At 20°C (68 °F) and with a relative humidity level of 40% the

product gets completely dry in 6 hours.

- If applied with high thickness, it can get dry superficially but slower in deep.
- After application, protect waterproofing coat with protective sheets.
- After application, protect the waterproofing layer until completely dry.
- Drying time is influenced by relative humidity level and by temperature and may change significantly.
- If used to waterproof terraces, once dry, tiles can be glued directly over Aquabit using a good adhesive for outdoor.

SUGGESTIONS

- Do not apply at temperatures lower than +5°C (+41°F) or higher than +35°C (+95°F).
- During summer season apply the product during the cooler hours of the day, away from sun.
- Do not apply under imminent threat of rainwater, fog or relative humidity level higher than 70%.

CLEANING

Wash tools with water before product hardening.

SAFETY

For the handling, see product safety data sheet.

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