

AQUABOND

Adhesion primer

Adhesion primer ready to use, with granular aggregates to realize a good adhesive bridge on all types of surfaces commonly present in building area, ensuring an excellent adhesion of plasters, smoothing plasters, adhesive for tiles. Its dry film gives a good adherence also on very smooth or waterproof mineral bases. The product is one-component ready to use, easy to apply, just in one coat by roll or brush, and the treated support can be coated even after some time from the application of the product.

BENEFITS

- Easy and quick application (only one coat).
- Elasticity and durability over time.
- Excellent anchorage, even over polystyrene sheet.
- Quick drying.
- Ready to use (aggregates are perfectly dissolved).
- It optimizes working-site timing.
- Solvent free. Neither toxic nor flammable.

APPLICATION FIELDS

It improves the adhesion on many kind of substrates:

- plastic plaster or smooth cement, smoothing plasters;
- precast concrete, cork or plasterboard panels;
- concrete surfaces of beams or pillars;
- tiled surfaces (unglazed);
- wood, glass, metal, stone.

Thanks to the adhesion characteristics of the product, these supports can be coated with plasters, smoothing plasters, adhesives for tiles and paintings.

It can be applied both inside and outside.

YIELD

0.20-0.25 kg/m² depending on the absorption capacity of the support.

One gallon covers up to 214 - 272 sq ft.

COLOUR

Aqua green.

PACKAGING

20 kg (4.07 gal U. S.) plastic bucket.

5 kg (1.02 gal U. S.) plastic bucket.

Pallet: n° 48 buckets 20 kg each (960 kg – 195.08 gal U. S.);

n° 20 boxes (4 pieces each – 400 kg – 81.28 gal U.S.).

STORAGE

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

Storage time: 12 months.



1982

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EN 1504-2

Products and systems for the protection and the restoration of concrete structures–
Part 2: Protection systems of concrete surface

Water vapour permeability:

μ = 788



For application videos, product page, safety data sheet and other information.

Primer – Water - based

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

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Technical Data

Features		Units
Yield	0.20 – 0.25 according to the absorption degree of support One gallon covers up to 214 - 272 sq ft	kg/m ² 1 gal U.S. x ft ²
Aspect	liquid	-
Colour	green	-
Mixing water	max 5%	-
Application temperature	+5 /+35 (+41/+95)	°C °F
Drying time (T=20°C (68 °F); R.H. 40%)	30	Min
Storage	12 months in original containers and in dry places 20 kg (4.07 gal U. S.) plastic bucket	Months
Packaging	5 kg (1.02 gal U. S.) plastic bucket	kg gal U. S.

Final performances		Units	Regulations	Results
Adhesion on cement supports Adhesion test - pull off	> 4.0	MPa	EN ISO 4624	-
	> 580.15	lbf/in ²	ASTM D4541	
Adhesion on wood Adhesion test - pull off	> 4.0	MPa	EN ISO 4624	-
	> 580.15	lbf/in ²	ASTM D4541	
Adhesion on glass Adhesion test - pull off	> 4.0	MPa	EN ISO 4624	-
	> 580.15	lbf/in ²	ASTM D4541	
Adhesion on metal Adhesion test - pull off	> 4.0	MPa	EN ISO 4624	-
	> 580,15	lbf/in ²	ASTM D4541	
Adhesion on plasterboard Adhesion test – pull of	1.0	N/mm ²	EN ISO 4624	sufficient
	145.03	lbf/in ²	ASTM D4541	
Adhesion Aquabond + Diathonite Evolution on cork panel Adhesion test – pull off	85.5	N	EN 1015-12 EN 1542	good
	19.22	lbf	ASTM D4541	
Weathering test resistance	1000hours (>5 years*)	hours/years	EN ISO 11507 ASTM D4587	-
Resistance to 50 freeze-thaw cycles (15°C/+15°C) (59°F/+59°F)	unchanged	-	EN 202	unchanged

*840 hours of weathering test correspond to about 5 years. This correspondence is only approximate and it may considerably vary depending on climatic conditions of the place where the product will be used.

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

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PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant enough.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts.
- The support temperature must be between +5°C (+41°F) and +35°C (+95°F).
- The application of *Aquabond* on painted surfaces is possible only if the successive coat is a painting and not a thickness coating.

MIXING

Dilute with maximum 5% of water. The amount of water specified on the packaging is an approximate value. It is possible to obtain a more or less fluid paste depending on the application. Never add other substances.

APPLICATION

Apply *Aquabond* in one or two coats by brush, roll or airless, taking care to completely cover the surface. In case of rain on a non perfectly dry product, carefully verify the suitability of the next coating.

DRYING TIME

At 20°C (+68°F) and with 40% relative humidity level, the product dries in 30 minutes.

- Drying time is influenced by relative humidity level and by temperature and it may significantly change.
- Once the product is dry, it is possible to apply the chosen coating, which must be anyway applied within 30 days from the application of *Aquabond*.

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 in case of imminent threat of rainwater, in presence of fog and relative humidity level higher than 70%.
- Do not wet the surface treated with the primer before the application of plaster.
- Do not apply over linoleum

CLEANING

Wash tools with water before the product hardens.

SAFETY

While handling, respect what is described in product safety data sheet.

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