



Ultrabond Aqua-Contact Cork



Elastomeric, solvent-free, contact adhesive in water dispersion with very low emission of volatile compounds (VOC) for the installation of natural cork floor and wall coverings, even with waxed and pre-sealed surface



WHERE TO USE

Interior wall and floor bonding of:

- natural cork panels, even with waxed and pre-sealed surface, on absorbent and non-absorbent substrates, e.g. existing ceramic or PVC floorings, metal surfaces, etc.;
- cork and PVC skirting, rubber preformed corner on walls.

TECHNICAL CHARACTERISTICS

Ultrabond Aqua-Contact Cork is a solvent-free, elastomeric based contact adhesive in water dispersion, with very low emission of volatile compounds (VOC). It is absolutely harmless to the health of the installer and of the end-user and it can be stored with no particular precautions.

Ultrabond Aqua-Contact Cork can be used as an efficacious alternative to polychloroprene adhesives in solvent solution and it is especially recommended for application in closed environments where people are present (hospitals, offices, residences, etc.).

Ultrabond Aqua-Contact Cork has low viscosity, so it is easy to be applied by roller, trowel or brush. The film dries quickly and after drying becomes transparent and sticky.

The adhesion characteristics of **Ultrabond Aqua-Contact Cork** remain for at least 24 hours after the application and therefore it could be used with convenience in the following modalities:

- apply the adhesive on the back of the cork tiles;
- after the water evaporation of **Ultrabond Aqua-Contact Cork** (in normal temperature and humidity conditions this takes place after 30 minutes on absorbent substrates and after 60 minutes on non-absorbent substrates), the adhesive has to be protected by the use of polyethylene sheets;
- the day after the tiles could be moved to the job-site and laid after the application of **Ultrabond Aqua-Contact Cork** on the substrate and after the evaporation of the water (after about 30 minutes in case of absorbent substrates and about 60 minutes for non-absorbent substrates in normal temperature and humidity conditions).

Ultrabond Aqua-Contact Cork is ideal to be used on heated screeds.

Floorings laid by the use of **Ultrabond Aqua-Contact Cork** can be immediately opened to traffic after laying.

RECOMMENDATIONS

- Do not lay on damp screed, or on screed subject to rising damp.
- Do not lay the covering on the substrate until the water contained in the adhesive has almost completely evaporated.

- Do not dilute **Ultrabond Aqua-Contact Cork** with water or with solvent.

APPLICATION PROCEDURE

Preparing the substrate

Substrates must be dry, flat, sound, mechanically resistant, free of dust, loose particles, varnish, wax, oil, rust, gypsum residues and other materials that may interfere with bonding.

Check moisture content throughout the entire thickness of the substrate with an electric or carbide hygrometer, keeping in mind that the former gives only approximate values.

The moisture content must be as follows: for cementitious substrates, a maximum of 2.5 to 3%; for gypsum or anhydrite based substrates, a maximum of 0.5%.

The maximum acceptable humidity level must observe the humidity level prescribed by floor covering manufacturers.

Unbonded screeds over layers of insulation and screeds which are laid directly onto earth must be poured over a vapour barrier to prevent rising damp.

When levelling uneven substrates and repairing and consolidating cracks where is required, consult the Technical Data Sheets for substrate preparation or contact MAPEI Technical Service.

Acclimatising

Before installing, make sure that the covering and the substrate are acclimatised to the recommended temperature.

Carefully follow the manufacturer's installation instructions.

Application of the adhesive

Apply **Ultrabond Aqua-Contact Cork** with a brush, small-notched trowel or roller evenly on both the covering and on the substrate (approx. 200 g/m² per coat and per surface).

Let the adhesive dry on both surfaces for approx. 30-45 minutes, until the white adhesive becomes transparent; position the material on the substrate, pressing vigorously and evenly with a straight-edged trowel or hammer to ensure total transfer of the adhesive on both surfaces and to eliminate air bubbles.

A primer coat is recommended when bonding on especially absorbent substrates. Brush on a thin coat of

Ultrabond Aqua-Contact Cork (0.10-0.15 kg/m²) and let dry thoroughly (about 30 minutes).

Cleaning

While still wet, traces of **Ultrabond Aqua-Contact Cork** can be removed from floor and wall coverings, tools, hands and clothing with water. When dry, use alcohol or **Pulicol** to remove from surfaces.

CONSUMPTION

Approx. 0.15 to 0.25 kg/m² per coat per surface.

PACKAGING

Ultrabond Aqua-Contact Cork is available in 5 kg drums.

STORAGE

Ultrabond Aqua-Contact Cork has to be protected from frost during transport and storage. Under normal conditions **Ultrabond Aqua-Contact Cork** has a shelf life of 12 months in its original sealed packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultrabond Aqua-Contact Cork is not hazardous according to the standards on the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemical products. The Safety Data Sheet is available upon request.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.



This symbol is used to identify MAPEI products which do not contain solvents, and which give off a low level of volatile organic compounds (VOC); proof of MAPEI's commitment in safeguarding the environment.



This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

**All relevant references
for the product are available
upon request and from
www.mapei.com**

TECHNICAL DATA (typical values)	
PRODUCT IDENTIFICATION	
Consistency:	creamy paste
Colour:	white
Density (g/cm³):	1.05
Brookfield viscosity (mPa·s):	25,000 (5 rotors - 5 rpm)
Dry solids content (%):	55
pH:	9
Storage:	12 months
Hazard classification according to EC 1999/45:	none. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packing and Safety Data Sheet
Custom class:	3506 91 00
APPLICATION DATA (at +23°C and 50% R.H.)	
Waiting time:	30 minutes on absorbent substrates; 60 minutes on non absorbent substrates
Open time:	max. 5-6 hours
Set to light foot traffic:	immediately after laying
Ready for use:	immediately after laying
Resistance to humidity:	excellent
Resistance to ageing:	excellent
Resistance to solvents and oils:	good
Resistance to acids and alkalis:	good
PEEL adhesion at 90°C according to EN 1372 (N/mm²): – cork floors:	substrate failure

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