

Ultrabond Aqua-Contact

**Solvent-free polymer
contact adhesive
in water dispersion**



WHERE TO USE

Interior bonding of:

- stairs and skirting in PVC and rubber;
- PVC floor and wall coverings on absorbent and non-absorbent substrates, e.g. metal or existing PVC;
- PVC or rubber corner pieces on walls;
- rubber flooring;
- polystyrene panels on walls and ceilings;
- polystyrene foam or polystyrene bonded to non-absorbent materials.

TECHNICAL CHARACTERISTICS

Ultrabond Aqua-Contact is a polymer-based contact adhesive in water dispersion to be used as an efficacious alternative to polychloroprene adhesives in solvent solution. It is solvent-free and non-flammable, and not hazardous to health. It is especially recommended for applications in closed environments where people are present (hospitals, offices, residences, etc.).

Ultrabond Aqua-Contact has low viscosity, so it is easy to apply with a roller, trowel or brush. The film

dries quickly after it is spread, becoming transparent and slightly sticky.

RECOMMENDATIONS

Do not use on damp substrates or substrates 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** with water or solvents.

APPLICATION PROCEDURE

Preparing the substrate

Substrates must be dry, flat, sound, 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%.

Floating screeds over layers of insulation and

Ultrabond Aqua-Contact



Applying Ultrabond Aqua-Contact on the back of PVC flooring



Laying PVC flooring



Smoothing PVC floor covering

screeds over bare ground 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 materials or call the Mapei Technical Service.

Acclimatising

Before installing, make sure that the covering and the substrate are acclimatised to the recommended temperature. Several hours before installation, rubber, linoleum and PVC floor and wall coverings should be removed from their wrappings and unrolled, or at least loosened, to acclimatise them and reduce the tensions caused by packaging.

Carefully follow the manufacturer's installation instructions.

Spreading the adhesive

Apply **Ultrabond Aqua-Contact** with a brush or small-notched trowel 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 to 60 minutes until the white adhesive becomes transparent; position the material on the substrate, smoothing 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** (100 to 150 g/m²) and let dry thoroughly (about 30 minutes).

Cleaning

While still wet, traces of **Ultrabond Aqua-Contact** 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. 150 to 200 g/m²

per coat per surface.

PACKAGING

Ultrabond Aqua-Contact is available in 10 kg and 5 kg drums.

STORAGE

Protect from frost during transit and storage. Under normal conditions **Ultrabond Aqua-Contact** has a shelf life of 12 months in its original sealed packaging.

FOR PROFESSIONALS.

WARNING

Although the technical details and recommendations contained in this report 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 applications; 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.

All relevant references of the product are available upon request



Bonding polystyrene foam panels

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	creamy paste
Colour:	white
Specific gravity (g/cm³):	1.05
Brookfield viscosity (mPa·s):	12,000 ± 2,000 (4 rotor - 10 rpm)
Dry solid content (%):	50
pH:	9.0
Storage:	12 months in original sealed packaging
Hazard classification according to EC 99/45:	none
Customs class:	3506 91 00

COMPOSITION AND PROPERTIES OF THE MIXTURE at +23°C and 50% R.H.

Waiting time:	30 to 60 minutes depending on ambient temperature and humidity
Open time:	maximum 2 to 3 hours
Set to light foot traffic and ready for use:	immediately

FINAL PERFORMANCES

Resistance to heat:	up to +100°C
Resistance to moisture:	excellent
Resistance to ageing:	excellent
Resistance to solvents and oils:	good
Resistance to acids and alkalis:	good
Peel 90° adhesion test in compliance with EN 1372 (N/mm²):	
– non-woven floors:	2.5
– textile floors:	2.0
– PVC floors:	2.0
– rubber floors:	2.0

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BUILDING THE FUTURE

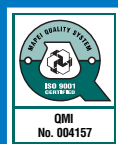
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