



Aquacol T



Adhesive in water dispersion with very low emission of volatile organic compounds (VOC) for textile floor and wall coverings and linoleum flooring

WHERE TO USE

- Interior installation of tufted, woven and needlepunch carpet and felt-backed vinyl.
- Interior installation of all types of linoleum.

Some application examples

Aquacol T is used for installing:

- tufted latex and latex-backed carpet, natural jute-backed polypropylene (Action Bac®) and non-woven synthetic carpet;
- linoleum flooring with natural jute back;
- cork linoleum flooring in sheets;
- needlepunch carpet with natural, latex and latex-foam back;
- semi-flexible vinyl tiles;
- vinyl flooring with natural or synthetic felt back;
- woven carpet (Wilton, Axminster, etc.);
- carpet with natural jute-back, synthetic back and synthetic non-woven back;
- coconut fibre flooring with latex back;
- natural and varnished cork tiles;
- textile and carpet wall coverings such as needlepunch, needlepunch with foam back or latex back

ON

all normally absorbent and moisture-stable substrates used in building.

TECHNICAL CHARACTERISTICS

- **Aquacol T** is a synthetic polymer-based adhesive in water dispersion for application in a single coat. It is an easily trowelable light beige-coloured paste.
- **Aquacol T** is not inflammable and does not contain toxic substances and has a very low emission of volatile organic compounds (EMICODE EC1); it does not therefore pose a danger to health and can be stored without any special precautions.
- **Aquacol T** is a substitute for normal solvent adhesives and improves their characteristics: waiting time before evaporation after laying is approx. 10 minutes and open time is approx. 20-30 minutes at +23°C. After floor installation, the adhesion is immediate and particularly strong. Once completely dry, in approx. 24 hours, the **Aquacol T** film is very flexible and its adhesion is strong enough for heavy foot and wheeled chair traffic.

RECOMMENDATIONS

- Do not use for carpets with PVC foam back (use **Adesilex V4** or **Ultrabond Eco V4 SP**).
- Use acrylic MAPEI adhesives for homogeneous and composition PVC floor coverings.
- Do not use at temperatures below +15°C or above +35°C (follow installation instructions of the floor covering manufacturer).

Aquacol T



The "tack" of Aquacol T



Installing large-size sheets with Aquacol T



Pressing carpet joint with roller

- Do not use on damp substrates or those subject to possible rising damp.
- Perform a preliminary test on non-absorbent substrates.

APPLICATION PROCEDURE

Preparing the substrate

The substrate must be thoroughly dry, absorbent, level, sound, mechanically strong, free of dust, loose materials, paint, wax, oil, rust, traces of gypsum or other materials which could interfere with bonding, and must not contain cracks.

The maximum moisture content must be as follows: 2.5% to 3% for cement substrates; 0.5% for gypsum or anhydrite substrates. It is essential that there is no presence of rising damp.

To repair cracks in the substrate, consolidate screeds, form fast-drying screeds and level uneven screeds, it is recommended to refer to the MAPEI catalogue or contact the Technical Advisory Department.

Acclimatisation

Before installing, make sure that the floor or wall covering, the adhesive and the substrate are acclimatised to the prescribed temperature.

The floor and wall covering must be removed from the packaging several hours before installing; rolls must be laid or at least loosened to permit acclimatisation and reduction of tension produced by packaging.

Spreading the adhesive

With a notched trowel, apply **Aquacol T** evenly onto the substrate in sufficient quantity as to wet the back of the floor or wall covering completely.

Depending on the type of trowel used, the absorption by the substrate, and the environmental temperature and humidity conditions, waiting time varies from 0 to a maximum of 10 minutes at +23°C.

Installing the floor-covering

Follow the installation instructions given by the floor covering manufacturer.

Install the floor or wall covering within the open time of **Aquacol T** i.e. when the adhesive is transferred to the back of the floorings. The open time is approx. 20-30 minutes depending on the type of substrate and environmental temperature and humidity conditions.

The surface must be pressed with a wooden trowel (or similar object) or with a heavy roller immediately after laying the flooring, moving from the centre out to the edges, to break down adhesive ridges and to ensure removal of entrapped air.

Deformed floor and wall coverings may require further pressing.

Floors are set for light foot traffic after several hours, depending on temperature, absorbency of the substrate and porosity of the material.

Aquacol T dries completely after approx. 24-48 hours.

Cleaning

Fresh **Aquacol T** can be cleaned from floor and wall coverings, tools, hands and clothing with water. After drying, clean tools with alcohol or **Pulicol**.

CONSUMPTION

Consumption varies, depending on the substrate, the type of backing, and the trowel used:

trowel No. 1: 0.30 to 0.35 kg/m²;

trowel No. 2: 0.40 to 0.45 kg/m²;

trowel No. 3: 0.50 to 0.55 kg/m².

PACKAGING

Aquacol T is available in 25, 18, 12 and 5 kg buckets.

STORAGE

Protect from frost during transit and storage. Avoid prolonged exposure to temperatures below 0°C. Under normal conditions and in its original unopened packaging **Aquacol T** is stable for at least 24 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Aquacol T is not considered dangerous according to the regulations on the classification of chemical products. It is recommended 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 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 Verlegetwerkstoffe e.V.), an international organisation for controlling the level of emissions from products used for floors.

All relevant references of the product are available upon request

TECHNICAL DATA (typical values)

PRODUCT IDENTIFICATION

Consistency:	creamy paste
Colour:	light beige
Density (g/cm³):	1.40
pH:	7.5
Dry solid content (%):	80
Brookfield viscosity (mPa·s):	50 000 (6 rotor - 5 rpm)
Storage:	24 months in original unopened packaging. Avoid prolonged exposure to frost
Hazard classification according to EC 99/45:	none. Before using refer to the "Safety instructions for the preparation and application" paragraph and the information on the packing and Safety Data Sheet
EMICODE:	EC1 - very low emission
Customs class:	3506 91 00

APPLICATION DATA at +23°C - 50% R.H.

Application temperature range:	from +15°C to +35°C
Waiting time:	from 0 to 10 minutes
Open time:	max. 20-30 minutes
Set to light foot traffic:	after approx. 2-3 hours
Ready for use:	after approx. 24-48 hours

FINAL PERFORMANCE DATA

Resistance to moisture:	good
Resistance to ageing:	excellent
Resistance to solvents and oils:	fair
Resistance to acids and to alkalis:	good
Resistance to wheeled chair stress:	good
Underfloor heating systems:	suitable
PEEL adhesion at 90° according to EN 1372 (N/mm):	<ul style="list-style-type: none"> - Action Bac® carpet: 1.8 - needlepunch: 2.0 - linoleum: 1.5



*Corte Lambruschini,
Genoa - 10,000 sq.
metres of carpet
installed with
Aquacol T*



*Carpet backings that
can be installed with
Aquacol T*



*Installing linoleum with
Aquacol T*



*Massaging of linoleum
joint*

Aquacol T



Example of carpet laid using Aquacol T - Hotel Marriot - Austria



Example of carpet laid in a corridor in a public building - State Ceremonial Palace - Italy

