



Rollcoll

Multipurpose adhesive with long open time for vinyl and textile floor and wall coverings



WHERE TO USE

Special adhesive for PVC and textile floorings in commercial projects.

For use on floors and walls in interior applications.

Suitable on:

- level, absorbent surfaces;
- underfloor heating systems.

Recommended for:

- static and dynamic loads, including intense loads, in residential, commercial and industrial environments (e.g. in hospitals, shopping centres, airports, etc.);
- stresses from chair castors according to EN 12529.

Some application examples

Use **Rollcoll** for bonding:

- homogeneous and heterogeneous PVC floor coverings in sheets or tiles;
- CV and multilayer PVC floor coverings.

Also suitable for bonding:

- semi-flexible vinyl floor tiles (VCT);
- textile floor coverings (with latex-primed, PVC and polyurethane foam backings);
- normal, latex and latex-foam backed needle punch;
- flocked textile flooring;

- PVC and textile wall coverings.

TECHNICAL CHARACTERISTICS

Rollcoll is a solvent free, acrylic adhesive in water dispersion, formulated in a ready to use light beige paste. Due to its particular formulation and extended open time, it can be used as wet-bed adhesive on absorbent substrates, as well as transitional pressure sensitive adhesive for bonding dimensionally stable vinyl floor coverings on impervious, non-absorbent substrates.

Product Properties:

- very easy to apply also by roller;
- strong, tough initial tack;
- long open time;
- good residual tack;
- tough and elastic film;
- good wetting even with difficult coverings;
- very high peel strength;
- very good adhesion to all PVC backings;
- exposure to castor wheels in accordance with EN 12529;
- solvent free;





Roller application



Carpet installation

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	creamy paste
Colour:	light beige
Density (g/cm ³):	1.35
pH:	6.5
APPLICATION DATA (at +23°C - 50% R.H.)	
Application temperature range:	from +15°C to +25°C
Waiting time: - applied by trowel: - applied by roller:	10-20 minutes 0-10 minutes
Open time: - applied by trowel: - applied by roller:	30-40 minutes 20-30 minutes
Set to light foot traffic:	after 3-5 hours
Ready for use:	24-48 hours
FINAL PERFORMANCE DATA	
PEEL 90° adhesion test according to EN 1372 (N/mm): - homogeneous PVC: - heterogeneous PVC: - carpet with foam backing:	} in compliance with EN 14259

- not flammable;
- harmless to the health of the installer and the end-user.

RECOMMENDATIONS

- Install at recommended temperatures, normally between +15°C and +35°C.
- Do not install on substrates not protected from rising damp.
- Use **Adesilex G19** or **Adesilex G20** in the event of extreme temperatures due to solar radiation, intense mechanical stress by lift truck, forklift, etc. or frequent washing (in particular when the floor coverings are not welded or sealed).
- For vinyl floor coverings with poor dimensional stability, use a specific adhesive with the capacity to withstand movements caused by temperature variations, such as **Ultrabond Eco VS90 Plus** or **Ultrabond Eco 4 LVT**.

APPLICATION PROCEDURE

Preparing the substrate

Substrates must be thoroughly dry, level, sound, free of dust, loose particles, paint, wax, oil, rust, traces of gypsum and products

which could interfere with bonding, and should not contain cracks.

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

It is essential that there is no rising damp present.

The moisture content must be the one for essence by the regulation of each country.

Floating screeds over layers of insulation or screeds over grades must be carried out over a vapour barrier to prevent rising damp.

To repair cracks in the substrate, consolidate screeds, form fast-drying screeds and level substrates, please refer to the relevant technical documentation, concerning the preparation of substrates or contact the technical assistance.

Acclimatisation

Before beginning the installation, make sure that the adhesive, the floor or wall covering,

and the substrate are acclimatised to the recommended temperature. The floor and wall covering must be removed from packaging several hours before installing; rolls must be freely laid or at least loosened to permit acclimatisation and reduce of tension produced by packaging. Follow the installation instructions given by the floor covering manufacturer.

Spreading the adhesive

With trowel, spray or roller, apply enough **Rollcoll** to the substrate to wet the back of the floor or wall covering completely. When using a roller, dilute **Rollcoll** with approx. 5% water. For airless spray gun applications, dilute with approx. 5% to 8% water according to the spray gun used. Avoid excessive dilution that would cause dripping and weaken bonding. Waiting time for **Rollcoll** depends on the type of application, absorption by the substrate, and environmental temperature and humidity conditions, from 10 to a maximum of 20 minutes when trowelled on, and from 0 to 10 minutes when applied with roller, at +23°C - 50% R.H.

For non-absorbent substrates (especially if the covering is non-absorbent) it is necessary to wait until the water has evaporated completely, approximately from 20 to 40 minutes (from white, **Rollcoll** becomes transparent).

Installing floor or wall-covering

Follow the manufacturer's instructions wet blanding (on absorbent substrates). Install the floor or wall covering after the waiting time has elapsed and when the adhesive is transferred onto the back of the flooring: open time is max. 60 minutes if trowelled on, and max. 30 minutes if applied with roller or spray, depending on the environmental temperature and humidity conditions.

Press the surface with a wooden trowel (or similar tool) or with a heavy roller immediately after installing, from the centre outward, to ensure perfect contact and removal of trapped air. Deformed floor and wall coverings may require further pressing. The floor is set to light foot traffic after several hours, depending on temperature, absorbency of the substrate, and porosity of the material. **Rollcoll** dries completely after approx. 24 hours.

Safety data sheet available on request for professionals.

Cleaning

After drying, clean with alcohol or **Pulicol 2000**.

Fresh **Rollcoll** can be cleaned from floors and walls, tools, hands and clothing with water.

CONSUMPTION

Consumption varies with uniformity of substrate, the back of the flooring and type of trowel used.

MAPEI trowel no. 1:	approx. 300-350 g/m ²
MAPEI trowel no. 2:	approx. 400-450 g/m ²
Roller:	approx. 200 g/m ²
Notch TKB A1/A2:	approx. 250-350 g/m ²
Notch TKB B1:	approx. 350-400 g/m ²
Notch TKB B2:	approx. 400-500 g/m ²

PACKAGING

Rollcoll is available in 5 and 16 kg buckets and 1 kg packs.

STORAGE

Protect **Rollcoll** from frost during transit and storage.

Avoid prolonged exposure to temperatures below 0°C. Under normal conditions and in its original unopened packaging **Rollcoll** is stable for at least 12 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

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.

Please refer to the current version of the **Technical Data Sheet**, available from our website www.mapei.com

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

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



Smoothing after installation



Homogeneous PVC installation

Rollcoll



Carpet installed with Rollcoll, Rover showroom, Birmingham (UK)

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