



Rollcoll

Universal adhesive in water dispersion for vinyl and textile floor and wall coverings



WHERE TO USE

Interior installations of all types of vinyl floor coverings, tufted and woven carpet, needlepunch, cork, coconut fibre flooring, textile, PVC and cork wall coverings.

Some application examples

Rollcoll is used for laying:

- homogeneous and composition vinyl floor tiles and sheet;
- semi-flexible vinyl tiles;
- natural or synthetic felt-backed vinyl flooring;
- latex and latex-foam backed, polyurethane-foam, natural and synthetic jute-backed, polypropylene (Action Bac®), non-woven polyester-backed carpet;
- normal, latex- and latex-foam backed needlepunch;
- normal and PVC-backed natural cork flooring;
- normal and latex-primed back natural coconut-fibre flooring;
- normal, film- or foam-backed needlepunch, polyester-backed woven and carpet wall coverings;
- synthetic resin wall coverings such as homogeneous and composition PVC, polyester-backed polystyrene foam, and polystyrene linings for wall coverings;

- natural cork and PVC-backed natural cork wall coverings.

ON

all normal absorbent and moisture-stable substrates used in construction.

TECHNICAL CHARACTERISTICS

Rollcoll is a fast-setting synthetic polymer-based adhesive in water dispersion formulated in a light beige paste for application in a single coating.

Rollcoll is not flammable and contains no toxic substances; it can therefore be stored with no special precautions and presents no health hazards during use.

Rollcoll is a universal adhesive that can be applied on floors or walls with a trowel, roller or spray depending on job-site conditions and on the materials being installed.

Rollcoll has a very long open time (approx. 60 minutes at +23°C when trowelled on and 30 minutes when rolled on or sprayed). It maintains its tack even after complete evaporation of its water (30 to 40 minutes) and is therefore recommended in many instances for installing over non-absorbent substrates.

Rollcoll has fast and strong early grab and can be substituted for adhesives in alcohol solution for

Rollcoll

installing on stairs and walls. After drying (in 24 hours) **Rollcoll** forms a strong and flexible adhesive film and can be used for heavy traffic and also for flooring subject to wheeled chairs.

Rollcoll applied with roller or spray permits quick and even application on large surfaces. Its adhesive film contains no trowel marks and is therefore recommended for thin and delicate wall coverings.

RECOMMENDATIONS

- For installing PVC-foam backed carpet use **Ultrabond Eco V4 SP**.
- For PVC-foam backed on PVC floors use **Ultrabond Eco V4 SP** or **Adesilex V4**.
- Use at normal recommended temperatures between +15°C and +35°C.
- Do not use on damp substrates or those subject to possible rising damp.

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.

Humidity content must be as recommended: for cement substrates, moisture content must be a maximum of 2.5% to 3%; for gypsum-based or anhydrite substrates, a maximum of 0.5%.

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, it is recommended to refer to the Mapei catalogue 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 0 to a maximum of 30 minutes when trowelled on, and from 0 to 10 minutes when applied with roller or spray, 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

(Refer to the floor covering manufacturer's instructions for installing).

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

CONSUMPTION

Consumption varies, depending on the evenness of the substrate and backing, and on the trowel used.

with n. 1 trowel: 300 to 350 g/m²

with n. 2 trowel: 350 to 400 g/m²

roller: 220 to 280 g/m²

spray: 250 to 300 g/m²



Roller application



Spray application

TECHNICAL DATA (typical values)

PRODUCT IDENTIFICATION

| | |
|---|---|
| Consistency: | creamy paste |
| Colour: | light beige |
| Density (g/cm³): | 1.35 |
| pH: | 6.5 |
| Dry solid content (%): | 75 |
| Brookfield viscosity (mPa·s): | 80,000 (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 preparation and application" paragraph and the information on the packing and Safety Data Sheet |
| Customs class: | 3506 91 00 |

APPLICATION DATA at +23°C and 50% R.H.

| | |
|---|--|
| Application temperature range: | from +15°C to +35°C |
| Waiting time: – applied with a trowel: – applied with a roller or spray: | from 0 to 30 minutes from 0 to 10 minutes |
| Open time: – applied with a trowel: – applied with a roller or spray: | max. 60 minutes max. 30 minutes |
| Set to light foot traffic: | after 2 hours |
| Ready for use: | after 24 hours |

FINAL PERFORMANCE DATA

| | |
|--|-------------------------------|
| Resistance to moisture: | very good (for short periods) |
| Resistance to solvents and oils: | fair |
| Resistance to acids and to alkalis: | fair |
| Resistance to wheeled chair stress: | good |
| Underfloor heating systems: | suitable |
| Stripping strength at 90° according to EN 1372 standards after 14 days at +23°C (N/mm): – for homogeneous PVC: – for needlepunch: | 2.0 1.5 |



Carpet installation



Smoothing after installation



Homogeneous PVC installation

Rollcoll

All relevant references of the product are available upon request



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

PACKAGING

Rollcoll is available in 25 kg, 12 kg, and 5 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 24 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Rollcoll is not hazardous according to the ruling norms on the classification of mixtures. It is recommended to take the usual precautions for handling chemical products. The Safety Data Sheet is available on request for professional users.

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.



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