

Bicomponent aliphatic polyurethane finish coat

Application

- Used as a colored surface layer for decorative floor systems that need to retain their attractive appearance
- Highly adhesive
- Can be applied to epoxy/polyurethane systems

Properties

- Based on new environment-friendly technology.
- The final result is attractive, understated, matt and highly elegant.
- Hardens by physical and chemical cross-linking to form a solid film.
- The product creates a final layer, which is rigid, abrasive, UV stable and easy to clean.
- Beware: not resistant to most rubbers (castors, tyres...). It can leave brownish marks.

Directions

Preparation

- The surface must be clean, grease and stain free, dust or other pollution that can hinder adhesion.

Work method

- Mix components A and B (these components are pre-dosed).
- Stir component A (the resin) thoroughly before emptying the packaging contents into a clean mixing bucket.
- Add component B (the hardener) to component A (the resin), then combine using a slow rotation mixer (200-400 rpm) for at least 2-3 minutes until you obtain a homogenous mixture.
- Pour this homogenous mixture (through a sieve, if necessary) into a clean bucket and mix it again.
- Leave the mixture to rest for 10 minutes, before mixing it again and beginning to apply the product.
- **PU Matcoat Color** should be applied with a microfiber roller, using regular, criss-crossing movements. It is important to use the indicated quantity at all times.
- A seamless finish can be obtained, provided you always apply the product wet on wet.
- After a certain time, use a new roller.

Remarks

- As **PU Matcoat Color** is a water-dilutable system, you will need to keep the area well ventilated while it hardens, in order to prevent hardening problems.
- Failing to mix the product properly may result in blistering problems or soft areas, which do not harden fully. In order to minimise air inclusions, you should avoid mixing the product too rapidly or for too long.
- The relative air humidity must not exceed 75%.
- The temperature of the materials, ambient air and surface must fall between the minimum and maximum values of 10°C and 30°C. The optimum ambient temperature is 16°C. A lower temperature will increase the hardening time.
- The temperature of the surface must be at least 3°C higher than the dew point temperature.
- Clean all tools and equipment using water immediately after use. After it has hardened, material can only be removed mechanically.
- Avoid contact with the eyes. Before eating or smoking, wash your hands with soap and water.
- Ensure that the area is properly ventilated.
- If it is necessary to provide heating, care must be taken not to use gas, oil or other fossil fuels, which produce large quantities of water vapour and have a negative effect on the finish. Only electric hot air fans should be used for heating.

Technical characteristics

Chemical base	aliphatic polyurethane
Specific weight	+/- 1,06 kg/dm ³
Hardening time at 20°C	approx. 24 hours
Working time 60% RV	at 10°C: 180 minutes at 20°C: 120 minutes at 30°C: 50 minutes remark: the end of the working time is not recognizable
Mechanical stress	after 72 hours
Complete chemical capacity	7 days (20°C)
Dry matter content	> 40%
Colour	white, transparent after hardening
Odour	low
Abrasion (Taber Abraser)	> 13 mg
Transparency (85°)	7500
Diffusion resistance	> 13 mg
Flash point	non-inflammable

Reports

- IBE-BVI: Report CFP-16.119: Test certificate

Mixing ratio

Weight ratio = A : B = 100 : 13,6

Volume ratio = A : B = 100 : 12,4

Colors

RAL-colors (on demand)

Quantity to use

+/- 0,15 kg/m²/layer (optimal 2 layers)

Packaging

5 kg

Safety information – Transport – Handling and storage - Waste

Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

Transport and storage

Transport and store away from frost. Protect the product and its packaging against direct sunlight. Avoid storage at temperatures >30°C.

Storage life

1 year after manufacturing in the original closed packaging.

Considerations

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.