

BAU RESINA

Coloured microcement coating for horizontal and vertical decorative surfaces.

Description

Coloured, cement-based microcement system designed to create seamless, decorative surfaces on walls. Providing a safe and sustainable solution for interior and exterior design projects. It delivers a smooth (2–3 mm per layer) continuous finish without joints, ideal for modern architectural aesthetics.

Substrate examples

- Cement mortars
- Concrete
- Marble
- Tiles
- Gypsum boards
- Cement boards
- Plaster
- Mosaic etc.

Specifications

Form: powder

Color: 12 hues

Mixture specific gravity: 1,5 gr/cm³

Pot life: ≥ 45 minutes (at 20°C)

Coating thickness for walls: 2-3mm per layer

Coating thickness for floor: 2-4mm per layer

Compression strength: ≥ 30 N/mm² after 28 days

Tensile strength: ≥ 8 N/mm² after 28 days

Substrate preparation

The application surface should be dry and stable, free of materials that prevent bonding, e.g. dust, loose particles, grease etc. protected from rising moisture. Remove loose, detached parts, dirt, oils, (rust from metal surfaces, etc.). The mortars and concretes on which the material is applied must be older than 28 days and not subject to negative hydrostatic pressure. Regarding the quality of the concrete substrate it should have minimum tensile strength of 1,5 N/mm² and minimum compressive strength of 25 N / mm².

Any laitance needs to be removed by scraping, milling, or by some other mechanical process. Following this, the surface should be cleaned from dust with a high

suction vacuum cleaner. If repairs are needed, they must be done using appropriate materials such as SUPERFIX 30, SUPERFIX 50, BETOFIX etc. If the substrates are constructed from uneven materials or there are cracks the material cannot be applied. It is essential to provide a stable and crack-free application surface. **BAU-RESINA has no crack bridging ability.**

Priming

The surface is primed with SUPERGRIP, BAULAT or SUPERLAT primers. Consumption: 100-150 g/m². Application should take place within 24 hours after priming. SUPERGRIP is for low porosity surfaces (old tiles, marbles etc.). BAULAT and SUPERLAT are for medium and high porosity surfaces

Mixture preparation

The material must be prepared in a suitable container; first pouring approximately ¾ of the required quantity of water and then gradually adding the contents of the bag, whilst stirring with an electric mixer at low speed. Then add water until a uniform mixture is obtained ≈ 7,5 l / 23 kg bag. You may add less water for more thixotropic composition, depending on the application at hand (not less than 80%) or add some extra water for workability. Adding a large amount of water (over 2-3% of the weight of the total mix) may result in a reduction of the strength of the mortar. We recommend regular stirring without adding anything else.

Instructions for use

Initially the material is applied using a notched trowel or with a smooth trowel in a maximum thickness of 2-3 mm. On the still fresh layer the fiberglass mesh is placed and pressed with the smooth trowel to get fully encased in the material. Finally, the surface is smoothed out and the excess material is removed. Then apply a second layer of BAU RESINA with the spatula and make the final surface according to the aesthetic requirements. Maximum thickness of the material is 4-5 mm.

After a few minutes when the material starts to harden you can press again with the spatula to achieve a smoother surface. You can wet the spatula with water before the second pressing to make de-coloration as a decorative effect. Generally, the temperature should range between 5°C and 30°C. Freshly applied material must be protected from dehydration due to rapid evaporation of water. It is strongly suggested to keep

the surface wet by spraying water for the first 24-48 hours before the application of the first surface sealant. During shrinkage tendencies. Remove loose or detached

You can apply the first, water based, varnish BAUSIL after a few hours (6-10 h) when you can walk on the surface. It is very important to apply at least 2 hands of BAUSIL varnish with not less than 200 gr /m² consumption. For floors and for surfaces with standing water an additional coating of HARDOX PU needs to be applied. HARDOX PU should be applied after a few days (at least 2-3).

Consumption

4-5 Kg/m² per 1,5 mm layer

Packaging

Heavy-duty paper bags, 25 Kg each

Storage

Preferably in sheltered areas, low in moisture, for at least 12 months from the date of production and in the initial sealed package.

Precautions and safety

The product contains cement and is classified as irritant. No special precautions are necessary for product application except for standard precautions applicable to all construction operations i.e. using gloves and goggles; preventing prolonged skin contact; etc. In case of eye contact, immediately wash with plenty of water and seek medical advice if necessary. Collect empty bags and plastic covers and dispose in refuse bins designated for this purpose. Consult instructions for safe use indicated on product packaging. For more information please refer to the material safety data sheet of the specific product.

Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application.

No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

Other information

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