

Technical Datasheet

BAU C21

Elastic, water-resistant ready to use plaster .

Description

BAU C21 plaster is 100% acrylic and highly flexible render. Features high colour stability following the drying process and limitless colour options in various final textured surfaces. Hassle-free application with trowel or rendering machine. Optimum adhesion to the substrate. A balanced formulation and high quality raw materials provide BAU C21 with outstanding qualities in application, individual design, extremely low water absorption and exceptional resistance to mechanical stresses.

Features and advantages

- High elasticity resulting in minimizing cracking effects.
- Excellent transpiration
- Highly resistant to algae and bacteria
- Highly resistant to water
- Excellent behaviour under all weather conditions and ultraviolet radiation.
- Wide colour range
- Excellent colour stability.
- Excellent workability
- High bonding properties

Substrates

Applied to all construction materials such as: Exterior thermal insulation systems made of mineral wool, expanded and extruded polystyrene, concrete, plaster, cement boards, plasterboard, painted surfaces, silicone paints, silicate paints, acrylic paints, acrylic MDF. etc. Replaces the final coat of plaster and paint. Can be used for indoor and outdoor applications.

Substrate preparation

Make sure that surfaces are level and sufficiently firm. Remove loose or detached fragments, dirt, oil, dust etc. Prior to material application, provide suitable preparation of the substrate and apply adhesion improving agent BAU PR1. This way, uniform drying is ensured, resulting in uniform coating colour to all over the plastered surface.

Mixture preparation

The material is ready for use after thorough stirring of its whole mass.

Instructions of use

1) Application by hand

Apply plaster using stainless steel or plastic spatula, depending on plaster's texture and finish requirements, other suitable tools may be used as well, e.g., brush, trowel, round brush, scraper etc. During application, avoid development of cavities. Thoroughly clean application tools before use. In other case the surface may develop spots.

2) Application by spraying machine

BAU C21 plaster can be also sprayed by mortar blaster. The application technique and the tools used may allow the development of considerable variety of the top surface.

Application is not recommended under extreme sunlight (temperature above 35°C) or rainfall and days when temperature is expected to drop below 5°C. After use remove material residues from tools using water while material is still fresh, or by other methods e.g., sanding or scraping when material has dried.

Technical Datasheet

BAU C21

Elastic, water-resistant ready to use plaster .

Drying time

Drying time is dependent upon ambient temperature and relative humidity. For reference conditions of 20°C and 65% relative humidity, the product exhibits surface drying in approximately 6 hours. Product full drying is achieved in approximately 14 days. Drying time can be prolonged under lower temperatures and/or higher relative humidity.

Maintenance

Plaster can be cleaned with water, using common household cleaning solutions. In case of using steam cleaners, the following conditions must be kept:

Water pressure:
30-40 bar

Water temperature:
up to 30°C

Distance from the spout:
30-50cm

Technical features

Form:
viscous

Available granularity sizes:
0.8mm 1.0mm F 1.2mm, 1.5 mm F, 2.0 mm F.

Hues:
1,000 hues from **BAUSKIN** colour index

Density:
1,80 ± 0,03 kg/lit

Water vapor permeability (EN 7783-2):
V2

Water absorption (EN 1062-3):
W3

Thermal conductivity (EN 1745):
 $\lambda=0,7$ w/(m.k).

Behavior under fire (EN 13501-1):
Class A2-s1,d2

Technical Datasheet

BAU C21


Elastic, water-resistant ready to use plaster .

Consumption

Type BAU C21 0,8 mm F Consumption $\approx 1.44 \text{ kg/m}^2$
Type BAU 21 1.0mm F Consumption $\approx 1.8 \text{ kg/m}^2$
Type BAU C21 1.2mm F Consumption $\approx 2.25 \text{ kg/m}^2$
Type BAU 21 1.5mm F Consumption $\approx 2.8 \text{ kg/m}^2$
Type BAU C21 2.0mm F Consumption $\approx 3.5 \text{ kg/m}^2$

Product specifications

Waterproof plaster **BAU C21** is a certified organic plastering for exterior application, according to standard EN 15824.


2013
EN 15824
External render based on organic binder

Packaging

25 kg plastic cans

Storage

Preferably in shady and roofed locations, low in moisture. Protected against ice, high temperature and exposure to sunlight for at least 12 months. The material's pot life is theoretically unlimited. Containers opened and reclosed may be reused after several months.

Technical Datasheet

BAU C21

Elastic, water-resistant ready to use plaster .

Notes

The ready for use product **BAU C21** presents a maximum volatile organic content < 20 gr/l, a value that conforms to Directive 2004/42/EC.

Exclusive distribution for Greece:

BAUFOX Ltd
Email: info@baufox.com
www.baufox.com

Exclusive distribution for Cyprus:

ALTO CEMENTOCHEMICA K.A. Ltd
Email: info@altocy.com
www.altocy.com