PRB TRADICLAIR 170

SINGLE-COAT SEMI-HEAVY RENDER UNDERCOAT

The _____s of PRB TRADICLAIR 170

- Waterproofing for Rt3 external walls and interior walls
- 0 Compatible coverings, paints and RPE, hydraulic renders
- 8 Can be left bare and can be buried



EN 998-1 Type OC3 Category CS III



SUITABLE SUBSTRATES

· Cast-in-place concrete (DTU 23.1).

USES

· Exterior and interior walls on all types of buildings for residential, tertiary or industrial use

APPLICATIONS

- Sound, sturdy old builds (contact us). • Joints (min 8mm) on brick, stone and
- ceramic facades. • DTU 20.1, DTU 23.1, DTU 26.1 (P1-1, P1-2 and P2), DTU 52.2.
- Breeze block masonry (DTU 20.1) with standard or narrow joints. Cement and lime-cement render undercoats (DTU 26.1).

(see Selection Guide)

· Old masonry and other substrates (contact us).

UNSUITABLE SUBSTRATES

- · All gypsum-based substrates (plaster).
- · Paint, waterproof paint. · Bare wood.

Density: 1.4 to 1.8 t/m³

· Horizontal or sloped surfaces (except arches and soffits)

PERFORMANCE OF THE RENDER ONCE

• Elastic modulus: 5,000 to 10,000 MPa

PERFORMANCE OF THE RENDER ACCORDING

· Flexural strength: 1.5 to 2.7 MPa

TECHNICAL CHARACTERISTICS

COMPOSITION

- · Binders (cement, natural hydraulic lime, high calcium lime).
- Fillers, sand and quartz appreciates. · Water retention agents, setting agents.

PRODUCTS POWDER:

- Max. grain size: 2 mm
- PASTE:
- Water retention: 91 to 97% pH (alkaline): 12.5 ± 0.5

5min.

CURED:

UTILISATION

PREPARING THE SUBSTRATE

- · Substrates must be clean, dust-free, stable and repaired beforehand where major chips or spalls are found.
- In hot weather and/or dry or gusty winds, the substrate should be wetted the day before application and again prior to application if necessary to prevent the render drying out.
- See "Preparing the substrate", and "Utilisation of single-coat renders according to the condition of the substrate".

TO EN 998-1 OC SINGLE-COAT MORTAR: Compressive strength:

- CS III (3.5 to 7.5 N/mm2) · Water permeability after freezing:
- $\leq 1 \text{ cm}^3/\text{cm}^2$ • Water vapour permeability: $\mu < 35$
- Thermal conductivity (λ 10 sec): 0.76 W/mK (listed value)

PREPARING THE MORTAR

· For every 25kg bag, mix PRB TRADICLAIR

170 with 3.5 to 4.5 I of clean water for

• The water dosage and mixing time should

be as consistent as possible to ensure

· Similarly, if using batches from different

dates, these should be mixed proportionally

Concrete mixers (batch mixers)

regular colour throughout.

to avoid irregular colouring.

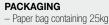
Mortar pumps / sprayers -

PUMP / SPRAYER SETUP Mortar pump

- Pressure (calibrated with water): 12 to 14
- bar Operating pressure (mix):
- 18 to 24 bar
- Output: 14 to 18 l/min
- · Spray nozzles (min. ø): 12 mm
- Spray guns Air pressure: 6 to 8 bar

Manual application

- · With a very plastic consistency, the product can be applied with a trowel in slightly overlapping movements.
- . The base layer is levelled by smoothing the render with a straight edge



STORAGE: 18 months.

CONSUMPTION/USE

Consumption varies according to the substrate (nature, flatness, roughness) NB: the minimum finished thickness required to guarantee waterproofing is 10mm at all points.

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- Minimum thickness of 10mm: 16 kg/m² NB: For decorative rendering, the minimum finished thickness required is 5mm at all points.

- Minimum thickness of 5mm: 8 kg/m²

COLOUR: Light grey.

COMPATIBLE COVERINGS

- All non-saponifiable interior and exterior paints
- Thick paint coatings applied in accordance with DTU 59.1 and NFT 30-700.
- · Semi-thick coatings (NFT 34-720)
- · Decorative and trim paints (D2, D3, etc.).

For facades: Natural terracotta tiles on large surfaces up For interior walls: Compatible with all tiles described in DTU 52.2.

APPLICATION CONDITIONS

- Between 5°C and 35°C. · Do not apply to frozen, thawing, hot or wet
- substrates, or in full sunlight, heavy rain or high winds
- Special conditions: see "Preparing the substrate".

NB: These values are estimates derived from laboratory or on-site testing. The conditions of use, the type of material used and its level of wear and tear can significantly alter them.

APPLICATION AND TYPES OF FINISH

- · Finish with a straight edge or scraper in preparation for a cement/lime coating or two-coat trowelling.
- Application according to the "Types of Finish".
- · For the different types of finish possible, see the "Selection guide".

USER PRECAUTIONS

· Contains cement and/or lime. · Refer to the packaging safety label and safety data sheet before use.

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(G RENDERS /

- · Durability/adhesion after freezing/Rupt:
- · W2 water absorption:

Quantity of water: 14 to 18%

Water protection time: 12 to 48 hours

· Maximum thickness per coat: 20 mm

· Time between coats: 1 to 48 hours

Total maximum thickness: 30 mm

Mixing time: 3 to 7 min

· Workable life: 60 min max

UTILISATION

- \geq 0,2 N/mm² A, B or C
- Capillarity ≤ 0.20 kg/m².min0.5 · Reaction to fire (non-combustible): A1 (M0)

- to 28m (DTU 52.2).

• I1 to I4 waterproof paint. Single-coat and topcoat hydraulic render. · Bonded tiles (contact us):

Α+