TRADICEM

TWO-COMPONENT CEMENT-BASED MICROCEMENT

2

TWO COMPONENTS

MIXED WITH RESILCEM

HIGH ADHESION

1-3 MM SYSTEM THICKNESS

PRODUCT DESCRIPTION

TRADICEM is a two-component cement-based decorative coating comprising TRADICEM powder (Component A) and RESILCEM acrylic resin (Component B). It is designed to create thin, continuous mineral finishes on floors and walls.

TRADICEM is formulated with hydraulic binders, selected aggregates and additives. Four aggregate grades - S, M, L and XL - allow the applicator to build the base, refine the surface and select the final decorative texture.

TYPICAL USES

- Continuous decorative finishes on interior and exterior floors and walls.
- Residential areas, bathrooms, kitchens, terraces and covered outdoor spaces.
- Retail, offices, reception areas, exhibitions and other pedestrian-use environments.
- Renovation over sound mineral substrates and firmly bonded ceramic tiles after suitable preparation.
- Renovation of residential, retail and hospitality surfaces where a seamless mineral appearance is required.
- Horizontal and vertical applications using the appropriate TRADICEM grade and complete LUNIK system specification.

TECHNICAL DATA

Appearance	White powder
Mixing component	RESILCEM acrylic resin (Component B)
Maximum aggregate size	S: 0.1 · M: 0.2 · L: 0.4 · XL: 0.6 mm
Compressive strength	≥35 N/mm² at 28 days
Flexural strength	≥10 N/mm² at 28 days
Adhesion strength	≥1.2 N/mm² at 28 days

Values are laboratory guidance figures and may vary with mixing, substrate and curing conditions.

PULSATIA S.L.

Calle Benifaió, 38 · 46610 Guadassuar (Valencia), Spain

Tel. +34 96 052 85 03 · hello@lunik.cc

TRADICEM

SYSTEM SELECTION AND SURFACE PREPARATION

GRADE SELECTION

TRADICEM XL / L · BUILD COATS

For levelling, substrate regularisation and preparation coats. Select XL or L according to the substrate texture and the build required.

TRADICEM M / S · FINISH COATS

For refining the surface and defining the final decorative texture. M gives a slightly more pronounced texture; S produces the finest finish.

SUBSTRATE REQUIREMENTS

- The substrate must be stable, cohesive, level and free from dust, grease, oils, laitance, loose material and previous coatings with poor adhesion.
- Concrete and cementitious substrates must have a minimum tensile strength of 1.5 N/mm² and a maximum residual moisture content of 4%.
- Repair cracks, joints, hollows and irregularities before application. Structural or active cracks must be assessed separately.
- Ceramic tiles must be firmly bonded, degreased and mechanically prepared. Level joints and changes in absorption before coating.
- On floors, always incorporate a flexible fibreglass mesh within the preparation coats.

PRIMING AND MOISTURE CONTROL

Select the primer according to the substrate, porosity and moisture conditions. Where priming is required, use PREPOX or PREPOX W as specified by LUNIK. Rising damp, negative pressure or moisture above the permitted limit must be resolved with a suitable moisture-control system before applying TRADICEM.

RECOMMENDED APPLICATION CONDITIONS

- Apply between 10°C and 30°C under stable environmental conditions.
- Avoid direct sunlight, strong draughts, rain, condensation and rapidly drying substrates.
- Low temperatures extend drying; high temperatures shorten working and drying time.

TRADICEM

MIXING AND APPLICATION

MIXING RATIOS

TRADICEM XL / L	0.30 kg RESILCEM per 1 kg powder
TRADICEM M	0.40 kg RESILCEM per 1 kg powder
TRADICEM S	0.45 kg RESILCEM per 1 kg powder

Maintain the stated ratio by weight. Do not dilute the mixture with water.

MIXING PROCEDURE

1. **PREPARE COMPONENT B**

   Measure the required RESILCEM and add the complete pre-measured pigment dose. Mix until the liquid colour is completely uniform.

2. **ADD COMPONENT A**

   Add TRADICEM powder gradually while mixing mechanically at low speed. Continue mixing for at least 4 minutes until homogeneous and free from lumps.

3. **CONTROL EACH BATCH**

   Keep the resin ratio, pigment dose and mixing time identical. Prepare only the amount that can be applied before setting; do not retemper hardened material.

APPLICATION SEQUENCE

1. **PREPARATION COATS**

   Apply one or two coats of TRADICEM XL or L with a metal trowel. On floors, always apply two coats and embed flexible fibreglass mesh. Allow to dry and sand with 40-grit abrasive.

2. **FINISH AND SAND**

   Apply two coats of TRADICEM M or S with a flexible steel trowel. After drying and lightening, sand gently with 120-grit abrasive and remove all dust. Total system thickness: 1-3 mm.

TRADICEM

FINISHING, PROTECTION AND HANDLING

FINISHING TECHNIQUES

WET-ON-WET

Apply the next coat when the previous coat is no longer tacky. Intermediate sanding is normally unnecessary. Remove ridges carefully. Once fully dry and lighter in colour, sand gently with 120-grit abrasive.

WET-ON-DRY

Allow the previous coat to dry completely - approximately 3 hours under standard conditions. Sand lightly with 120-grit abrasive and remove all dust before applying the next coat.

pH PREPARATION AND SEALING

Protect TRADICEM after hardening, normally 24-48 hours after the final coat. Do not proceed until coating moisture is below 5%. Before sealing, apply a suitable LUNIK preparation coat to regulate absorption and compensate the pH of the cementitious surface. Once ready, use the LUNIK sealers recommended for the intended exposure, traffic and finish, following the complete sealing system data sheets.

RESILCEM AS A CONSOLIDATING RESIN

RESILCEM is a ready-to-use, water-based and non-flammable acrylic resin. In addition to its role as TRADICEM Component B, it may be used to consolidate suitable porous cementitious surfaces. Apply one even coat by roller or brush. Allow at least 30 minutes and no more than 24 hours before the first microcement coat.

SAFETY AND CLEANING

Avoid skin and eye contact and inhalation of cement dust. Wear gloves, glasses and suitable respiratory protection. Wash tools with water immediately; hardened material must be removed mechanically.

STORAGE

Store both components for up to 12 months in sealed original containers. Keep TRADICEM dry and protected from moisture. Protect RESILCEM from frost and temperatures above 35°C.

TECHNICAL NOTICE

This information is based on current knowledge and typical applications and is provided for guidance. Site conditions, substrate preparation and application practice may affect performance. Carry out preliminary tests and consult the technical and safety documentation for every component of the LUNIK system.

PULSATIA S.L.

Calle Benifaió, 38 · 46610 Guadassuar (Valencia), Spain

Tel. +34 96 052 85 03 · hello@lunik.cc