

METROSTONE CEM

Technical Sheet - Ed. 10/2019



Two-pack, multi-purpose cement-based skim coat. Suited for decorative, thin skimming on walls and floors. For indoor use.

DESCRIPTION

Multi-purpose, two-pack, acrylic resin-based, cement-based skim coat containing quartz of controlled particle size and additives aimed at making application easier. Suited for decorative, thin skimming on walls and floors. The product offers good surface resistance and good resistance to foot traffic. For professional use.

PROPERTIES

- Microcement
- Easy to apply

TECHNICAL DATA

Classification UNI 8681	Two-pack, chemical drying, matt, cement-based skim coat paste with synthetic resins for base coat, dispersed in water (E1.C.2.A3.HA)
Film aspect EN13300	Matt (≤ 10 gloss 85°)
Thickness EN13300	Class C, coarse ($<1500 \mu\text{m}$); 600 μm
Maximum applicable thickness	2mm per coat
Adhesion on concrete	$> 1.5 \text{ MPa}$
Specific weight	(component A): $1740 \pm 50 \text{ g/l}$ (A+B): $1890 \pm 50 \text{ g/l}$
Type of binder	Vinyl
Solid content	$78 \pm 2\%$
Pot Life	About 3 hours
Catalysis ration (weight)	A: B = 75 : 25
Drying time	Can be overpainted after 6 hrs, completely dry after 24 hrs Can be walked on 3-4 hrs after application
VOC	Cat A/I: limit 200 g/l (2010) This product contains a maximum of 17 g/l of VOCs

CHARACTERISTICS

Colour range	METROSTONE colour chart; can be coloured by tinting machine.
Coverage	2 Kg/mq (0,19 Kg/sq ft) per mm of thickness
Coverage per pack	(A + B 20 Kg): approx. 10 mq per mm of thickness
Dilution	Ready to use
Diluted with	Water
Overpaintable	Metrostone Matt K, Resin Primer, Metrofloor Matt (after sanding upon resuming the work).

APPLICATION

Suitable Substrates:

Cement-based plasters, flooring with concrete substrate, existing ceramic floors, after adequate substrate preparation (see the Specifications). Do not apply on lime-based plaster.

Preparation of the Substrate:

See application steps

Application Procedure:

Substrate preparation and application procedure

a. NEW SCREED - Application on new cement-based screed that is perfectly even:

1st Day

Apply Resin Primer (diluted with 400% water) using a Magritte Primer Roller.

After 4 hours*, apply the first coat of METROSTONE CEM using a Pollock Stainless Steel trowel.

2nd Day

After 12 hours*, apply the second coat of METROSTONE CEM using a Pollock Stainless Steel trowel, skimming the surfaces completely or creating the desired effect

5th Day

After at least 72 hours*, using a Magritte Primer Roller, apply 2 coats of transparent polyurethane finish: a first coat of Metrostone Gloss K, a second coat of Metrostone Matt K, waiting at least 6 hours between applications. For greater protection, alternatively apply a coat of Resin Primer followed by two coats of Metrofloor Matt waiting 12 hours between applications.

All coats must be applied carefully and in a workmanlike manner.

b. EXISTING FLOORS - Application on existing ceramic floors, stone and hard substrates where adhesion is difficult. All parquet, linoleum and carpeting must be removed

1st Day:

Apply Metroresin Primer (diluted with 10% water) using a Magritte Primer Roller After 4 hours*, apply 1 coat of Metrostone Level self-levelling cement-based base coat using a Kandinsky Stainless Steel Trowel and embedding the glass fibre mesh into the fresh layer (Tessuto di Vetro or Armatex C1 IVAS). Then eliminate any air with a Klee bubble-buster roller.

3rd Day

After 48 hours*, apply 1 coat of METROSTONE CEM using a Pollock Stainless Steel trowel.

4th Day

After 24 hours*, using a Pollock Stainless Steel trowel, apply 1 coat of METROSTONE CEM, skimming the surfaces completely or creating the desired effect.

7th Day

After at least 72 hours*, using a Magritte Primer Roller, apply 2 coats of transparent polyurethane finish: a first coat of Metrostone Gloss K, a second coat of Metrostone Matt K, waiting at least 6 hours between applications. For greater protection, alternatively apply a coat of Resin Primer followed by two coats of Metrofloor Matt waiting 12 hours between applications.

All coats must be applied carefully and in a workmanlike manner.

c. DETERIORATED SCREED - Application on deteriorated and uneven screed (for example after having removed previous parquet, linoleum and carpeting from the floor)

1st Day

Apply Resin Primer (diluted with 400% water) with Magritte Primer Roller. After 4 hours*, apply 1 coat of Metrostone Level self-levelling cement-based base coat using a Kandinsky Stainless Steel Trowel and embedding the glass fibre mesh into the fresh layer (Tessuto di Vetro or Armatex C1 IVAS). Then eliminate any air with a Klee bubble-buster roller.

2nd Day

After 48 hours*, apply 1 coat of METROSTONE CEM using a Pollock Stainless Steel trowel.

3rd Day

After 24 hours*, using a Pollock Stainless Steel trowel, apply 1 coat of METROSTONE CEM, skimming the surfaces completely or creating the desired effect.

6th Day

After at least 72 hours*, using a Magritte Primer Roller, apply 2 coats of transparent polyurethane finish: a first coat of Metrostone Gloss K, a second coat of Metrostone Matt K, waiting at least 6 hours between applications. For greater protection, alternatively apply a coat of Resin Primer followed by two coats of Metrofloor Matt waiting 12 hours between applications.

All coats must be applied carefully and in a workmanlike manner.

d. NEW WALLS - Application on new walls (plaster or similar finish)

1st Day

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Apply Resin Primer (diluted with 400% water) using a Magritte Primer Roller. After 4 hours*, apply a coat of METROSTONE CEM using a Pollock Stainless Steel trowel, skimming the surfaces completely or creating the desired effect (see note).

4th Day

After at least 72 hours*, using a Magritte Primer Roller, apply 2 coats of transparent polyurethane finish: a first coat of Metrostone Gloss K, a second coat of Metrostone Matt K, waiting at least 6 hours between applications. For greater protection, alternatively apply a coat of Resin Primer followed by two coats of Metrofloor Matt waiting 12 hours between applications.

All coats must be applied carefully and in a workmanlike manner.

e. EXISTING WALLS (application on existing walls of ceramic or similar materials)

1st Day

Apply Metroresin Primer (diluted with 10% water) using a Magritte Primer Roller After 4 hours*, apply a coat of METROSTONE CEM using a Pollock Stainless Steel trowel, skimming the surfaces completely or creating the desired effect (see note).

2nd Day

After 24 hours*, using a Pollock Stainless Steel trowel, apply 1 coat of METROSTONE CEM, skimming the surfaces completely or creating the desired effect (see note).

5th Day

After at least 72 hours*, using a Magritte Primer Roller, apply 2 coats of transparent polyurethane topcoat: a first coat of Metrostone Gloss K, a second coat of Metrostone Matt K, waiting at least 6 hours between applications. Both coats must be applied carefully and in a workmanlike manner.

*Drying and construction times may vary according to environmental conditions.

Notes: - when exceptional levels of wear resistance and impermeability are required, the coats of Metrostone Matt K and Metrostone Gloss K can be replaced with one coat of Resin Primer diluted to 400% followed by two coats of Metrofloor Matt diluted to 10-15-%, applied using a Magritte Primer Roller; this application should be performed 1 week after application of the second coat of METROSTONE CEM.

- In order to achieve a Vintage Decapè effect, create a veining pattern in the fresh coat using a Woody Pad, and then, when dry, glaze the surface using a Dalí marine sponge and Metropolis Hot Metal, Lady Vi or Metroresin Shine decorative paints.

Type of Equipment:

Stainless steel trowel (Pollock Stainless Steel trowel), plastic trowel (Gauguin Plastic Trowel)

Ambient Conditions:

min +10°C max +35°C max RH 80%

STORAGE

Packaging:

Pack A: 15 kg – 6 kg

Pack B: 5 kg – 2 kg

(20 kg kit: 15 + 5 kg; Kit of 8 kg: 6 + 2 kg)

Duration and Preservation:

1 year when stored in undamaged packages at between 5 and 30°C; cannot endure frost and direct sunlight

Dispose of in accordance with local regulations.

For information on possible hazards, refer to the safety data sheet

CERTIFICATION\CLASSIFICATION

