Kret Clay · Rammed Earth

RAMMED EARTH

Layered earth tones laid by hand, so the wall reads like a cut through the riverbank.

Rammed Earth is made from Clay, laid by hand in bands of two to four earth tones. Each band is pressed and cut back so the strata wander slightly, the way real compacted earth does.



RAMMED EARTH · KRET, BANGKOK

COVERAGE	DRY TO TOUCH	PACKAGING
25–32 kg/m² at 15–20 mm	6–12 hours per layer	25 kg bag per tone

AREAS OF USE

- Feature walls
- Lobbies
- Restaurants
- Columns

FEATURES

- 30 colourways, custom recipes available
- 15–20 mm, a fraction of solid earth
- No formwork or structural change
- Clay and lime, breathable
- Warm, tactile and matt
- Sampled on site before work starts

TECHNICAL DATA

PRODUCT TYPE	Layered clay and lime wall finish
COMPOSITION	Natural clay, slaked lime, graded sand and gravel to 4 mm, mineral pigments
COLOUR	30 banded colourways
MADE FROM	Clay
BUILD	15–20 mm, layered
BANDS	2–4 tones per colourway
AREAS OF USE	Feature walls, lobbies, restaurants, columns

SUBSTRATES	Render, blockwork or board, primed
PROTECTION	Breathable sealer
COVERAGE	25–32 kg/m² at 15–20 mm
COATS	Layers of 3–5 mm to 15–20 mm
DENSITY	1.9 kg/L
PH	11–12
VOC CONTENT	< 1 g/L
REACTION TO FIRE	A1 (EN 13501–1)

APPLICATION CONDITIONS AND DRYING

MIXING	Mix with clean water as directed per tone.
WORKING TIME	Ready to use.
APPLICATION TEMPERATURE	+8 °C to +35 °C
RELATIVE HUMIDITY	Below 85%
DRY TO TOUCH	6–12 hours per layer
RECOAT	Next layer while the last is leather-hard
FULL CURE	28 days

Times given at 25 °C and 60% relative humidity. Lower temperatures and higher humidity lengthen them.

SURFACE PREPARATION

01 Substrate must be sound, dry, clean and free of dust, grease, efflorescence and loose paint.

02 Fill cracks and holes and allow repairs to cure. New render or blockwork: allow at least 28 days.

03 Plasterboard: tape and fill joints, then prime.

04 Apply Kret Primer by roller and allow to dry for at least 4 hours before the first coat.

05 Fix a stainless mesh to the wall for builds over 10 mm.

APPLICATION

01 Mark the band heights on the wall from the approved colourway drawing.

02 Lay each tone in a horizontal band, pressing firmly with a wooden float.

03 Vary the band heights and tones as drawn. Keep each band slightly uneven at the joint.

04 When leather-hard, scrape back lightly to expose the grain. Seal when fully dry.

AFTERCARE

- Protect fresh work from rain, direct sun, strong wind and frost for at least 48 hours.
- Mist with clean water in hot or dry conditions to slow drying and help carbonation.

CLEANING AND MAINTENANCE

- Tools in clean water.
- Brush off dust. Seal high-touch areas.

PACKAGING AND STORAGE

PACKAGING	25 kg bag per tone
SHELF LIFE	12 months, dry
STORAGE	Store sealed, upright, between +5 °C and +35 °C, out of direct sun. Do not freeze.

HEALTH AND SAFETY

- Contains lime or cement: alkaline. Causes serious eye damage and skin irritation.
- Wear gloves, eye protection and long sleeves. Wear a dust mask when mixing powders or sanding.
- Eyes: rinse at once with plenty of clean water for at least 15 minutes and seek medical advice.
- Keep out of reach of children. Do not empty into drains. See the safety data sheet.

Important. The values on this sheet are typical results from testing at 23 °C and 50% relative humidity. Site conditions, substrates and application affect the result, so final values are confirmed per project on the approved sample. Always trowel a sample panel on site before work begins. This issue supersedes all previous issues. **Kret Co., Ltd.** · Bangkok, Thailand · hello@kret.co.th