KULTA®

TECHNICAL DATA SHEET

KULTA ready to use lime paint

Ready-to-use lime paint with linseed oil additive

Application:

- For internal and external works, and for all types of spaces
- For walls and ceilings
- Suitable for residential and commercial spaces
- Can be applied on plaster, lime render, brick, stone, concrete, drywall or surfaces previously painted with acrylic paints
- Breathable and mineral-based
- Suitable for the restoration of historical buildings
- Ideal for preserving cultural and architectural heritage

Suitability:

- Mineral-based substrates
- Previously painted surfaces with mineral-origin coatings
- Restoration of heritage buildings and architectural landmarks
- Ideal for lime, lime-cement, and cement-based plasters
- Compatible with existing lime, lime-cement, or silicate coatings
- Recommended for structures requiring high breathability
- Non-film-forming; sets without internal stress
- Applicable on natural stone surfaces such as limestone and sandstone

Qualities:

- Free from solvents
- Excellent water vapor permeability, breathable
- Possesses water-repellent (hydrophobic) characteristics, no mold develops
- Contains no added biocides
- Mild, natural lime scent
- Performs exceptionally well in both hot, sunny conditions and in cold or humid climates, ensuring lasting beauty and protection.
- Weathering and hydrophobic tests confirm the paint's resistance and durability

Components:

- Lime hydrate;
- Linseed oil;
- Inert fillers;
- Technological additives;

Technical data:

Colour	White
pH	11-12,5
Density g/cm³	1,4-1,6
Matt level	Deeply matted
Water vapour permeability EN ISO 7783-2	Sd, < 0,14m, Class 1 / V1 (high)
Consumption	**250-300 ml/m²**
Processing temperature	+7°c till +25°c
Dry residue	58%

Surface preparation:

- The substrate must be dry, solid, and free from cracks.
- The surface should be clean, free of dust, grease, oil, or any loose mineral layers.
- On lime-painted surfaces, remove only areas that are flaking or no longer adhering properly.
- For salt-contaminated areas, identify and eliminate the source of salt intrusion and perform appropriate preparatory work.
- Surfaces affected by biological growth (e.g. algae, mold) must be cleaned with a cleaner.
- Protect elements not intended for painting, such as windows, glass, and fixtures.
- Use compatible repair mortar for patching damaged plaster.
- When working at temperatures ≥ 20 °C, lightly moisten the surface before application—avoid excess water; the surface should absorb moisture evenly.
- Prime highly absorbent substrates using **KULTA BASE COAT** (silicate primer).
- The surface must be smooth and allow even absorption.
- Paint CSI-class plasters only after a minimum drying period of 4 weeks.
- Paint CSII to CSIV class plasters only after at least 2 weeks.
- KULTA paint is designed to be applied on mineral surfaces to create a natural and breathable environment. However, **it can also be used on non-mineral surfaces, such as skim-coated drywall or surfaces previously painted with acrylic paints.** In these cases, **KULTA GRIP COAT** primer must be used.

Processing:		• Paint is applied with **KULTA paint brushes**. • Paint is applied in **two coats.** • Mix the paint thoroughly before use. • **First layer:** dilute paint with **20–30% water** and mix well. • Allow to dry for approx. **24 hours** after the first layer. • **Second layer:** use **undiluted paint.** • If necessary, dilute the second layer with **≤10% water** and stir well (may affect shade). • Ensure even coverage during application. • Apply the second layer using **circular, crosswise, vertical, or horizontal** brush strokes. • For dark tones, an **additional coat** may be required for uniform color. • **Application temperature:** +7 °C to +25 °C (air and surface). • Drying time increases at low temperatures and decreases at high temperatures. • Protect painted surfaces from **rain and direct sunlight** during and after painting. • **Max wind speed** during painting: **≤10 m/s.** • Total curing time: **7–30 days**, depending on conditions and layer thickness. • Freshly painted surfaces must be protected from **moisture or water.** • Painting on damp surfaces can cause **color tone changes.** • **Coverage (thinned first coat):** approx. **150–200 ml/m².** • **Coverage (undiluted coat):** approx. **250–300 ml/m².** • Actual consumption depends on **surface preparation and structure.** • For accurate estimation, test coverage on a **1 m² area** using intended tools and methods.

Additional recommen-dations for processing:	• **Do not mix** the paint with other products – this may significantly alter the color properties. • **Clean immediately** with water if the paint gets on surfaces not intended for coating (e.g. metal, glass, aluminum elements). • When painting large areas, prepare the **entire required amount of paint** in one container to avoid potential color tone variations. • **Surfaces patched with putty (≤2 mm)** may be painted after 24 hours of drying. • **Not suitable** for use on granite surfaces. • **Not recommended** for very dense or non-absorbent substrates. • Clean tools and containers with **clean water** immediately after use. • For surfaces regularly exposed to moisture, apply **KULTA TOP COAT** (hydrophobizing agent) with a brush, no earlier than **7 days after painting**. Apply a **second coat after a 24-hour interval.** • The paint alone is **not suitable** for areas exposed to strong precipitation. Where possible, consider adding **protective overhangs or coverings** to exposed building elements.
Packing:	• Metal bucket 0,9 L / 4,5 L / 9 L
Storage:	• Protect from frost. • Store at temperatures between **+5°C and +25°C.** • After opening, reseal the packaging **airtightly**. • Shelf life in original, unopened packaging is **12 months.** • The color tone of opened paint may **change over time.**
Utilization:	• Dispose of the packaging in accordance with local legislation
Safety information:	• Safety instructions can be found on the packaging and in the safety data sheet. • The paint is alkaline and may cause irritation to skin and eyes. • Always wear safety glasses and gloves during application. • If paint comes into contact with skin or eyes, rinse immediately with plenty of clean water for at least two minutes and seek medical advice, bringing the product's safety data sheet. • Avoid contact with eyes at all times.
Additional information:	• Technical data are based on a temperature of **23 ± 2°C** and relative humidity of **50 ± 5%.** • Do not freeze!