



CLASSICO LIMEWASH® | TECHNICAL DATA SHEET | TDS

Interior/ Exterior Slaked Lime Paint (UNI 8681)

Organic Product made from Natural Materials

PRODUCT FEATURES

Classico Limewash® is extremely durable and while it will not chip, peel or flake off, it was created to achieve an antique, distressed look either through artistic manipulation at application or naturally over time. The effect of the weathering process thru exposure and time, is both unique and beautiful.

Hand crafted in Italy from authentic slaked lime from the Dolomite Mountains, Classico Limewash® allows for a timeless transformation with an easy three-step process and one coat of paint. Its unique formulation allows it to continue to patina, naturally over time. The slaked lime creates a sophisticated, extremely flat finish, creating unique light refraction capabilities and uncommon luminosity.

Classico Limewash® is an organic paint with a 97% natural mineral product content, completely permeable and breathable, providing good anchoring power with mineral surfaces by carbonization.

FIELDS OF APPLICATION

CLASSICO LIMERWASH is ideal for Interior / Exterior unsealed and nonpainted brick, stone, or other masonry surfaces, providing a flat finish to create an antique wash off effect. In addition, it can be used to create ceruse finishes on wood as a decorative effect when it is applied to Interior non-primed, nonpainted wood surfaces.

CLASSICO LIMEWASH can be applied directly to the following Interior or Exterior surfaces without a primer to form the "hardest coating":

- Unpainted, Unsealed & Absorbent Brick
- Unpainted, Unsealed & Absorbent Stone
- Various absorbent raw mineral conglomerates

At least 1 coat of **Romabio MicroGrip Primer** is **REQUIRED** to provide a consolidating layer for CLASSICO LIMEWASH to adhere to the following Interior or Exterior surfaces:

- Glazed Brick
- Reclaimed Brick
- Painted or Unpainted Stucco
- Concrete Brick or Block
- Bagged Masonry
- Non-Absorbent surfaces
- Aged Lime or Cured Cement Plaster
- Painted or unpainted Gypsum or Plasterboard surfaces (Drywall)
- New and old base hydraulic binder-based plaster
- Dry, compact, absorbent and not chalky walls surfaces, old organic or mineral coatings

COLOR/TINTING

White Base. Can be tinted to light to medium-light colors - 6% max with natural earth oxide pigments. Custom color matching is available. Always test an area for color match before touchproceeding with a different batch of tinted paint.

SHEEN / FINISH: Very Flat Finish, Limewash

PACKAGING

Plastic buckets: 1 Liter, 2.5 Liters, 15 Liters

TOOLS

Apply with brush, roller or with an appropriate sprayer. New sprayer tips should be used to prevent product waste and provide for a perfect finish. Brushes, rollers, rags/sponges should be cleaned immediately after use with water and a mild detergent or dish soap.

Recommended Specs:

Airless Sprayer: min 3000psi w/.019" - .021" (0.48mm - 0.53mm) tip opening

HPLV Sprayer: 1.4mm - 1.5mm tip opening

Brush: Romabio Masonry Brush (or professional-grade synthetic)

Roller: Professional, high-quality, mohair or synthetic nap

CONSUMPTION/COVERAGE - 1 COAT

The following is **approximate** coverage at 50% dilution. Depth of mortar joints as well as absorbency and texture of the surface can greatly impact these estimates. Determine exact consumption by performing a test on the surface to be painted.

1 Liter: 80 ft² - 100 ft²

2.5 Liters: 200 ft² - 250 ft²

15 Liters: 1200 ft² - 1500 ft²

STORAGE

Store in a temperature controlled, dry area. For best results turn full, SEALED container upside down to help prevent air entering the bucket via the lid causing spoilage or premature drying. If there is an odor or discoloration, do not use. **DO NOT STORE DILUTED PAINT**

SHELF LIFE

Unopened, unused, and undiluted Classico Limewash can be stored in their original container for an extended time period at temperatures between +45° F and +85° F. **DO NOT FREEZE**



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PREPARE YOUR SURFACE

- Do a simple test with water to see if your raw brick or stone can absorb water. If not, **MicroGrip Primer** is required.
- Check the FIELDS OF APPLICATION to see if your surface requires **Romabio MicroGrip Primer** or other MINERAL-BASED primer. *Remember than primers are opaque and cannot be distressed.*
- Prepare and clean the surface properly with water before application. If using detergents, rinse very thoroughly.
- The substrate must be solid, healthy, clean and free of dust, oil and grease. If substrate temperature is above 80°F you must wet the surface before applying in order to cool the surface and prevent flash drying.
- The substrate must be free of rising damp, active water leaks and salt stains. If needed, parts affected by rising damp or salt stains must be eliminated and replaced with new material if necessary. Consult a professional.
- Pre-treat Algae and Mold with **Romabio Algae & Moss Cleaner** for at least 48hrs and remove the residues by brushing or with pressurized water. Wait an additional 48hrs before applying **Classico Limewash**
- Brush or remove any efflorescence and old peeling paint.
- High layers or thicknesses of old lime-based paint and tempera paint must be removed. Brush out dust, smog or other deposits before the application and apply a coat of **Romabio EcoForte** consolidating pre-primer diluted with water at a ratio of 1:1 or consolidating pre-primer Potassium Silicate concentrate diluted with water at a ratio of 1:1.
- For absorbent, unpainted, integral brick proceed with cleaning with an acidic mixture of water (4 parts water/1 part buffered acid), brushing and removing any residue. Rinse well with clean water and wait for complete drying.
- Damaged Brick, extremely weathered 'spalled' brick, crumbling brick or brick mortar require careful assessment and special attention prior to any type of painting. Any damaged components should be evaluated and repaired or replaced by a mason.

CONDITIONS FOR APPLICATION

(Ideal environmental conditions Temp=75°F, RH=60%)

- Air temperature: Min. 50°F / Max. 88°F.
- Surface temperature: Min. 50°F / Max. 88°F.
- Relative humidity of the air: <80%.
- R.H. <65%.
- Avoid applying where there is consistent surface condensation or directly under the sun.

DILUTION - REQUIRED

Product MUST be diluted between 50% to 100% prior to application. See below for the dilution range by product size. If you do not want to dilute the whole amount, remember that 50% dilution is 1 part product to ½ part water, 100% is a full 1:1 ratio. **Do not exceed recommended limits and test a small area to determine outcome.**

For each **1 Liter** add 0.5 liters to 1 Liter of water
 For each **2.5 Liter** add 1.25 liters to 2.5 liters of water
 For each **15 Liter** add 7.5 liters to 15 liters of water

APPLICATION

1. **DAMPEN THE SURFACE** a few hours before starting work by spraying, so that the water penetrates the substrate by capillarity, without saturating it. If the substrate does not absorb the water readily, it will not absorb the paint - SEE PREPARE YOUR SURFACE.
2. **DILUTE THE PAINT** (see DILUTION CHART) and mix thoroughly until no water is sitting at the top. For the 15L buckets, a paddle mixer is ideal.
3. **APPLY 1 GENEROUS COAT** of Classico Limewash with a brush, sprayer or roller, working top to bottom. If using a sprayer, we suggest back brushing to work the paint into all the pits a crevices.
4. **DISTRESS** if there are areas where you'd like to see the substrate show through. It's best to start when the paint begins to dry (Approx 30mins or so). Note: paint will dry much lighter and more opaque than when wet. The most natural look can be achieved with a stiff garden hose. You can use a spray bottle and rags for indoor projects. See Romabio.com for videos demonstrating both techniques.
5. **PROTECT** any non-traffic horizontal (sills, ledges, etc) or frequently wet surfaces with **Romabio Mineral Shield** to slow the weathering process and prolong the beauty of you finish. Best time to apply is after 48hrs. See **PROTECT YOUR ROMABIO FINISH** on next page for more info.

DRYING TIMES

After the distressing process is done, and the desired look is achieved, the paint will dry to the touch within a few hours.

Romabio Classico Limewash is a natural product of mineral origin, therefore in order to have a fully cured surface, the natural carbonation process must take place, which will be achieved at most 20-25 days after the initial application (68 °F- RH 60%) in ideal conditions.

WEATHER NOTE: Do not apply Classico Limewash on the exterior if there is a risk of severe thunderstorms or showers during the 12/24 hour drying time needed for product to dry and carbonize correctly.



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PRODUCT LIMITATIONS

- Classico Limewash® SHOULD NOT BE APPLIED TO HORIZONTAL OR GROUND SURFACES such as steps, floors, porches, driveways, pavers, decks or anywhere there's foot traffic. Non-traffic areas such as windowsills, ledges or other places subject to a lot of moisture or pooling water, particularly with snow melts will need a topcoat of **Mineral Shield** for best results.
- SPECIAL CONSIDERATION ON RECLAIMED BRICK. Given its unknown history and various stages of deterioration and absorption, it is rare to get consistent or uniform results. Only use Classico Limewash for a distressed look on reclaimed brick.
- Brick, stone or stucco in constant contact with damp at the foundation level may absorb excessive moisture or salt nitrates which can cause rapid deterioration of masonry substrates and its coatings.
- This is not a stain blocking paint. Inherent residues can be present in masonry surfaces, such as ferrous oxides, manganese, tannins or other mineral deposits and may not present until coated. A stain blocking pre-primer may be needed to prevent their appearance. Contact Customer Support at info@romabio.com for clarification and advice.
- DO NOT apply on strongly alkaline surfaces such as uncured plasters or new cement stucco. Wait 30 days for the surface to fully cure or do an alkalinity test of the surface before painting.
- Avoid continuous exposure of the finished surface to sprinklers or jets of water while gardening or the constant backsplash of wet soil. The ferrous metal content of the water or the wet soil can leave stains over time. Use **Mineral Shield** to protect the bottom 3' of the home and occasionally check if more is needed.
- DO NOT apply anywhere that comes in frequent contact with water, retains water, or where water frequently pools.

PRODUCTION NOTES

Romabio Classico Limewash, as per tradition, is formulated with slaked lime, a natural paste acting as a hydraulic binder, obtained by slaking quicklime by adding abundant water and subsequently aging for 12 to 48 months. This paint represents one of the first forms of painting used for architectural buildings and even today its peculiarities make it preferable to the most modern synthetic paints. Produced with ingredients of natural origin, it is odorless, does not contain any toxic elements, does not emit dangerous fumes and does not pose any health risks. The production process of lime paint requires less energy consumption than that necessary for the production of traditional binders; furthermore, during this process, lime absorbs 100% of the carbon dioxide released into the atmosphere during the transformation of limestone into calcium oxide.

PROTECT YOUR ROMABIO FINISH

Romabio MINERAL SHIELD is an invisible topcoat that protects Romabio mineral and lime paint finishes from damage or weathering created by water without changing the sheen of the finish or texture of the surface. Applied to a **DRY** surface a minimum of 48hrs after painting with a brush, simple garden sprayer or spray bottle, **Mineral Shield** repels water droplets but still allows water vapor to pass through, allowing the surface to breathe while preserving the beauty of a Romabio paint finish. Check occasionally to see if a simple reapplication is needed. Use **Mineral Shield** to:

- Protect the bottom 3' of your home from soil/clay stains due to rain splash-back or snow build up.
- Protect horizontal surfaces such as windowsills and ledges from pooling water issues.
- Protect areas of your home free of overhangs or gutters that experience a frequent downpouring of water.
- Protect your finish around hose bibs, downspouts, sprinklers, or any place the comes in frequent contact with water.
- Protect your finish from pollen in areas with frequently shedding trees & plants.

Visit romabio.com for more info on Mineral Shield

TIPS & BEST PRACTICES:

- For the ideal bond with raw brick or stone, a good lime paint job requires a damp wall. A substrate that is too dry or too hot absorbs a lot of water, quickly removing it from the paint layer and preventing complete carbonation. A substrate that is too wet reduces the adhesion of the paint layer and coverage.
- Stay cool! Applying on a hot surface or in direct sunlight can cause the paint to dry at the surface instead of below the surface which will provide the best bond. To prevent "flash drying", keep your brick damp and chase the shade or work in the cooler parts of the day.
- For best coverage when using a sprayer to apply CLASSICO LIMEWASH, we recommend back-brushing to help force the paint into the cracks and crevices of the surface.
- Do not apply to horizontal surfaces such as steps, floors, porches, decks or anywhere there's foot traffic.
- If you have deep mortar joints and wish to fill them in before painting, you might consider using **Romabio Travertino** to even out the surface and reduce surface area to maximize paint coverage.
- Seal any uncoated metal flashing or windows to prevent copper or ferrous oxide streaking.
- For clarification of any of the above info, for additional questions, or for advice before painting under unique circumstances not covered in this Technical Data Sheet, please contact us at info@romabio.com.



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CRITERIA	INT. STANDARD	VALUE	UNIT
VOC (not including tint pigments) Ready to Use	2004/42/CE	3.9	g/l
Water Absorption Coefficient	EN 1062-3	0.2	w value – kg/(m ² • √h)
Vapor Permeability	DIN 52615- DIN 18550, EN ISO 7783- 2	Sd 0.5	m
pH Value	DIN 19266	11.5 – 12	–
Natural Resistance to Mold	UNI 9805 – UNI 10795	Yes	–
Specific Gravity (23°C)	EN ISO 2811- 2	1.6	Kg/Lt.
Mineral Finish	DIN 55945	< 3.5%	Thickening Agent
Granulation	DIN 19643	0.01	mm
Gloss Level	DIN 55945	< 5	Very Flat
Natural Paint Lime Base NHL 3.5	DIN 18363 – UNI EN 459	10	%
Reaction to Fire	EN 13501- 1:2002	A1	Incombustible
Toxicity	CEE 88/379	0%	–
Environmental Impact	CEE 880/92 – CEE 1980/2000 C.C.A N° 201230/a-b	CLW respects all the parameters in every phase of the production process	
Certification APEO (Alkyl Phenol Ethoxylates)	—	0%	—

SAFETY INDICATION

Directive 2004/42/EC: CLASSIC LIME WASH

Limit value EU (Dir. 2004/42/EC)

Cat. A/c: Coatings for exterior walls of mineral substrate (water-base): 40 g/l (2010)

Cat. A/a: Matt coatings for interior walls and ceilings (gloss≤25@60°) (water-base): 30 g/l (2010)

This product contains:

VOLATIL ORGANIC COMPOUNDS (VOC)

max: < 5.00 g/l

WARNING!

LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

WARNING!

Keep out of reach of children. In case of contact with eyes and skin, wash immediately with plenty of water. In cases of consumption, consult a Doctor or call the CDC Poison Center. 1-800-222-1222.

SAFETY INFORMATION

FIRST AID: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water.

If symptoms persist, seek medical attention. If breathing is difficult, leave the area for fresh air. If persistent difficulty occurs, seek medical attention immediately.

For further information, consult the MSDS
KEEP OUT OF REACH OF CHILDREN

ENVIRONMENTAL INFORMATION

Classico Lime Wash is alkaline mineral paint. Causes serious eye damage. Causes skin irritation. The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste. Cover all areas which are not to be coated, especially glass, ceramics and natural stone. Possible drops/splashes on the surrounding areas must be rinse thoroughly immediately with clean and plenty of water. Protect eyes and skin from splashes. Do not swallow.

For further information, consult the MSDS

PROTECT FROM FREEZING

This Technical Data Sheet is based on data collected on the basis of technique and experience. Given the multiplicity of use of the product they cannot be binding. This information shall not constitute any legal obligation and no obligation from the seller or point of purchase, or any agreements inferred by employees who sell this product. Insurance or guarantees issued by our employees should always be confirmed separately in writing. Any information about product adaptability and use of the product, must be verified by user prior to purchase. Check the exact consumption of product for the surface where product may be applied to determine the amount of product needed. The user must verify color matching before starting work. No refunds or exchanges will be provided for tinted products after they have been consumed or applied.

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