

Artisan Stucco

LIME MORTARS & MATERIALS

Kalei

APPLICATION INSTRUCTIONS

VI.02 EN - APRIL 2018

Artisan Stucco Kalei

Artisan Stucco Kalei is a mineral lime coating made with our finest hydrated, aged lime putty for a durable, breathable and bright matt result. Perfectly suitable for outdoor use on mineral surfaces.

Suitable for rough and highly absorbent substrates such as bricks, natural stone, cement and lime plasters, can be also used to strengthen weathered mineral plasters and pointing.

Colours

Artisan Stucco Kalei is available in bright white and a variety of brilliant colours. The natural colour nuances of this product will vary depending on the absorption of the substrate and the intensity of its colour.

Using Artisan Stucco Natural Pigments, white Kalei can be coloured to fit your personal taste. Contact your supplier for instructions on how to use the pigments correctly and test your colour mixture before application.

Kalei can be painted over with Artisan Stucco Lime Wash.

USAGE

Ca. 0,9 L / m² per layer, depending on the roughness of the surface.

USAGE TEMPERATURE


Apply between 5° C - 39° C. Do not apply when risk of frost during initial drying and hardening.

CLEANING AND DILUTING

Tools can be cleaned in a bucket of water immediately after use. Do not flush any Kalei down a drain for risk of blocking. If needed, Kalei can be diluted with a maximum of 5% water.

Safety

Artisan Stucco Kalei is made from slaked lime. When using Kalei, please consider that slaked lime is an alkaline material that can cause mild burns on exposed skin and serious eye damage. Wear gloves, covering clothing and eye protection.



EN: CONTAINS: SLAKED LIME - DANGER - Causes skin irritation. Causes serious eye damage. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. CAS No: 1305-62-0

FR: CONTIENT: CHAUX ÉTIENNE - DANGER - Provoque une irritation cutanée. Provoque des lésions oculaires graves. Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage. EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. No. CAS: 1305-62-0

DE: ENTHÄLT: GELÖSCHTER KALK - GEFAHR - Verursacht Hautreizungen. Verursacht schwere Augenschäden. Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen. BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen. CAS Nr: 1305-62-0

IS: INNIHELDUR: KALSÍUMHÝDROXÍÐ - HÆTTA - Veldur húðertingu. Veldur alvarlegum augnskaða. Notið hlífðarhanska/hlífðarfatnað/augnhlífir/andlitshlífir. BERIST EFNID Í AUGU: Skolið varlega með vatni í nokkrar mínútur. Fjarlægjið snertilinsur ef það er auðvelt. Skolið áfram. CAS #: 1305-62-0

Before you begin

Before the application of the product make sure that:

- any non-lime paints and plasters are completely removed,
- any dust, dirt, grease and loose parts of remaining lime paints and plasters or brick joints are thoroughly removed,
- any previous layers of lime substrate, kalei or lime paint and brick joints are completely dry,
- the wall will be protected from rain for five days after application of the Kalei,
- and all surfaces that are not to be painted are adequately covered to prevent stains.

For best results, applying the Kalei to a single surface should be done in a single job. For larger surfaces work together with more people.

Kalei is applied in two layers, where the second layer is applied when the first layer is still moist. Choose a relatively cool or overcast day to prevent the Kalei from drying too fast.

Applying the Kalei

STEP 1 - MIXING

Artisan Stucco Kalei is a natural product, with no additives. Therefore the containing minerals sink to the bottom of the bucket during storage. Mix the Kalei thoroughly, using a mechanical mixer or drill with mixing rod, making sure there are no minerals compacted on the bottom. While painting, continue to remix the kalei every ten minutes or so.

STEP 2 - WETTING THE WALL

Right before application of the product, the wall should be made moderately wet by spraying clean water on it, using a garden hose in its finest position or a pressurised spray can.

STEP 3 - APPLYING THE FIRST LAYER

Now apply the first layer of Kalei to the wall using a thick rectangular brush creating a rough, covering layer of between 1 mm and 2 mm thick.

STEP 4 - DRYING THE FIRST LAYER

Wait until the applied Kalei mix is leather hard. The material should be moist, but with no shine of water in its surface, and resistant to mild pressure from your finger.

STEP 5 - APPLYING THE SECOND LAYER

Now apply a second layer of Kalei in the direction of the stones, smoothing out the brush strokes from the previous layer and revealing the shape of the brickwork. If needed a little water can be added to the Kalei to make it more liquid. More layers could be added in this way if needed.

STEP 6 - DRYING THE SECOND LAYER AND BRUSHING

When the mix is equally spread, let it dry until a soft dry brush leaves no lines on the surface. Now mildly brush the surface with the dry brush, removing any loose sand grains from the surface.

STEP 7 - PROTECTING AND HARDENING

Protect the Kalei from rain and let dry and harden for 5 days. After 30 days the Kalei will be hard enough for normal use. Kalei will slowly increase in hardness over time due to the continuation of its carbonisation process.

Cleaning, repairs and storage

Tools can be cleaned in a bucket of water immediately after use. Do not flush any Kalei down a drain. The material might harden and block your sewage system. Dried Kalei is completely harmless and small amounts may be discarded with the normal refuse.

Painted surfaces can be cleaned by mild brushing, using moderate amounts of water. High powered water guns and acidic cleaning agents can damage the Kalei. Small repairs and retouching of a discoloured surface can be done by applying a thin layer of Kalei or Artisan Stucco Lime Wash.

Please protect surfaces that are not to be painted, as Kalei will stain various materials. As a last resort, stains might be removed using a mixture of water and vinegar. Please note that vinegar can damage your Kalei wall, even after the Kalei has hardened.

Any remaining Kalei can be stored for many years without deterioration if the bucket is air tight. However, as the minerals of the mixture will sink to the bottom of the bucket after time, make sure to thoroughly remix the product before use (see above instructions). Protect from frost while stored.

Product Guarantee Artisan Stucco Kalei

Adherence of Artisan Stucco Kalei and colour stability of the pre-coloured Artisan Stucco Kalei, applied on a clean brick surface is guaranteed for three years from the date of purchase, if the product has been applied and maintained correctly and according to the instructions. This guarantee is limited to the replacement of the material only.

The life span of the product can be adversely influenced by continued exposure to water (e.g. broken rainwater drainage) and severe capillarity within the wall. Always ensure correct water drainage and solve any capillarity problems before application.

Let us know what you think

We at Artisan Stucco Mortars take great pride in our quality materials and we would love to hear from your experience working and living with them. If you have any questions, comments or compliments about our products please contact us through our website or Facebook page at [facebook.com/artisanstuccomortars](https://www.facebook.com/artisanstuccomortars)

We hope that you will enjoy the beauty of your Kalei walls for many years to come.

