



DATA SHEET



KOLMAN SILICATE STONE

FEATURES		COLORS	CONTAINER	PACKAGING
<ul style="list-style-type: none"> It is a coating based on modified potassium silicate binders, pigments and inorganic loads giving it a mineral appearance. It also contains water repellent elements having a marked "lotus flower" effect against water. It is indicated for the protection and restoration of facades of concrete, cement and lime. 		01-WHITE	15 liters	1 unit
SURFACE	PREPARATION	DRYING	REPAINT	FINISH
CEMENT, CONCRETE	CONSULT	2 HOURS	12 HOURS	SMOOTH MATT
THINNER	PERFORMANCE	DENSITY	WASHABILITY	SOLIDS CONTENT
DO NOT THIN	6-7 m ²	1.51 g/cc	TYPE II CLASS 1	74%

TECHNICAL DATA

LTV Brookfield viscosity 20°C sp-4 :1.5 r.p.m:60.000cps ;6 r.p.m:30.000cps ;12 r.p.m:20.000cps

Coefficients μ 6/1.5: 0.5 ; Coeficientes μ 12/1.5:0.33

Stability at 60°C.(7días) 1.5r.p.m:53.000cps ;6r.p.m:26.500cps ;12r.p.m:17.250cps

Viscosity variation 12r.p.m:-13%

Max VOC EU : 28 g/l . VOC EU limit value of the product (cat.A/c): 40 g/l (2010)

PROPERTIES

- Especially suitable for facade restoration.
- Excellent durability.
- Very good adhesion.
- Very breathable.
- Resistant to attack by microorganisms.
- Reduced tendency to fouling.
- Anti-carbonation properties.
- It prevents the appearance of efflorescences.
- Excellent water repellent performance, with lotus flower effect

INSTRUCTIONS

- Shake the product before use and apply to clean, dry and sanitary surfaces, free from any kind of dirt.
- On new surfaces, apply two or more hands of the product as it appears on the package. If the surface is excessively porous, it will be necessary to prime with a primer based on potassium silicate. It is not recommended to dilute with water.
- On old surfaces, in the case of lime plasters, it is only necessary to clean and check the strength of the substrate. On paints or plastic coatings, it will be necessary to remove these paints before applying Pétrea to Kolman Silicate.
- It can be applied by brush or roller, taking into account that glass and non-ferrous materials (eg aluminum) must be protected from contact with this product. In case of accidental projection onto these surfaces, wash immediately with water.

SURFACE PREPARATION

Mortars and concretes:

Unpainted Surfaces: Wait for 30 days for proper solidification, clean efflorescence, release agents, mold and moss, loose particles and dirt. Whenever necessary, open pore by sanding polished surfaces. Before applying the finish coat, it is recommended to seal with KOLMAN FIXING SEALER or KOLMAN ANTICARBONATING PRINT, as required.

Already painted surfaces: Remove any old or poorly adhered paint. If the surface does not have good adhesion, it should be sanded and primed if necessary. If there are molds or moss, they must be treated and eliminated. Check the compatibility of the support and existing paint with the new paint to be applied.

Plaster and gypsum:

Unpainted surfaces: Wait for 30 days for proper solidification/drying. Sanitize and clean the support, eliminating efflorescence and loose particles. Apply a sealant, fixative or anti-carbonation primer, if necessary. If the support is good enough, a first coat of the diluted finishing layer may suffice.

Already painted surfaces: Remove any old or poorly adhered paint. If the surface does not have good adhesion, it should be sanded and primed if necessary. If there are efflorescence, molds or moss, they must be treated and eliminated. Check the compatibility of the support and existing paint with the new paint to be applied.

Ferrous metal surfaces:

Unpainted surfaces: On iron or steel supports, sand and clean with a cloth moistened with solvent to remove oils and grease, as well as rust residues. Next, apply a layer of antioxidant primer, and finish with the chosen varnish, unless an antioxidant varnish is used and the primer is not necessary.

Already painted surfaces: Remove any old or poorly adhered paint. If old paint has been removed, proceed as on new surfaces. If it has not been removed, check the compatibility of the existing paint with the one to be used.

Non-ferrous surfaces with difficult adhesion:

Unpainted surfaces: For surfaces such as aluminum, stainless steel, brass, galvanized, PVC ..., in addition to cleaning with a cloth moistened with solvent to remove oils and greases, you must treat them with a specific primer (wash primer, multi-adherent primer, etc.) and then apply the chosen finishing product or use a multi-adherent finishing product or with direct adhesion on this type of supports. In case of rust spots, it is necessary to treat specifically with an antioxidant primer. Check the compatibility of the latter with the surface and apply the necessary layers of product.

Already painted surfaces: Remove any old or poorly adhered paint. If the surface does not have good adhesion, it must be sanded and primed if necessary. If rust is present, treat it and remove loose particles. Check the compatibility of the support and the existing paint with the paint to be used.

Wood:

Unpainted Surfaces: When treating the wood, make sure that it is dry enough, as excess moisture will cause adhesion flaws and/or coloring flaws when dyeing the wood since the pores are filled with water. The moisture content should not exceed 12% -15%, depending on the type of wood. For new woods, remove stains and dirt, let dry if wet and then sand. Apply a priming coat or sealer, sand and later apply at least two layers of finish (it is recommended to sand between each layer). It is important to take into account the direction of the grain, both when sanding and applying, which must be done in the same direction.

Already painted surfaces: On painted wood, if the paint is very deteriorated, the easiest is to strip and remove the old paint. If the old paint is in good condition, sanding the surface is enough. It is recommended to perform a test, applying the paint in a small area, to ensure that there is no incompatibility between the two painting systems and the paintings themselves (e.g. old solvent paint and new water paint or vice versa). It is recommended to sand between each layer.

Tiles:

Clean and degrease the surface to be painted, eliminating all dirt and grease, and apply a specific paint for tiles directly, without primer. Always perform an adhesion test to verify the compatibility of the support with the paint.

Other surfaces:

For other special surfaces, please check.

STORAGE

Protect the containers from extreme temperatures 0°C. / 40 °C.

Recommended storage time, no more than 2 years

ENVIRONMENT

Containers and waste must be disposed of according to current legislation. Do not throw waste into drains, consider possible reuse

SAFETY

Keep out of the reach of children.

Do not drink, eat, or smoke during application.

In case of contact with eyes, wash off with plenty of water.

For more information, please check the product safety data sheet.



Ambikol :

Products under the Integral System of Quality, Environment and Prevention, ISO 9001 and ISO 14001.



CE (CE marking):

The certificate/CE marking may only be extended when the product is to be applied on concrete or facings indicated in the UNE EN 1504-2: 2005 standard, having previously requested the certificate/markings in the order. For further information: <http://www.asefapi.es/files/MARCADO-CE-RECUBRIM16.pdf>



Años garantía:

Years of warranty of the products according to the General Conditions of Guarantee of Industrias Kolmer S.A



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*Margin of numerical data: +-20%