

KEIM Design-Lasur

Pigmented mineral stain



1. Product description

Ready-to-use pigmented mineral stain (Lasur) concentrate, sol-silicate based according to DIN EN 1062-1, which is used in combination with KEIM Design-Base and KEIM Design-Dilution (Fixativ) to create translucent and opaque wall designs with an intensive mineral character. KEIM Design-Lasur also complies with DIN 18 363, 2.4.1, silicate emulsion paint and DIN EN 1504-2/2.2.

Brilliant and absolutely lightfast due to inorganic color pigments. Resistant to weathering and environmental influences.

2. Field of application

KEIM Design-Lasur for creative designs both interior and exterior on vertical surfaces and ceilings. For wider range of design options use over KEIM silicate paints. KEIM Design-Lasur can be used as a full finish over an entire building or a decorative design/mural on a single wall.

With two or three coats of KEIM Design-Lasur mixed in the desired ratio with KEIM Design-Base or KEIM Design-Dilution (Fixativ) - the most various translucency effects can be achieved. Transparency and color depth depend on the chosen color shade and the dilution ratio. Dilution ratios from 1:1 up to 1:20 (Design-Lasur to Design-Dilution) are common. Create all levels of color from completely opaque to a hint of color on the façade. By using KEIM Design-Base the Design Lasur has a better application consistency, reduced settling and a longer open time.

3. Product properties

Surfaces designed with the KEIM Design-Lasur-System are:

- Lightfast, will not fade
- Weather resistant
- Resistant to environmental influences
- Mineral matt finish that lasts
- LEED - yes

Material characteristics

- Specific weight: 1.2 - 1.3 g/cm³
- Vapor diffusion resistance: $s_d < 0.01$ m
- Vapor Permeability 75 - 85 perms
- VOC content ASTM D 6886 0 g/l
- Non-flammable DIN 4102-A2
- Lightfastness of color pigment: A1
(Fb-Code acc. to BFS instruction sheet No. 26)
- Weathering ASTM G 154: Pass
(no fading, cracking, or peeling)

Color shade

According to KEIM Palette Exclusiv, Avantgarde and monochrome shades DL9001-DL9012, DL1001 (gold), DL1002 (silver), DL1003 (copper) and DL1004 (lava red) (interior and exterior), DL9018- DL9020 (only interior).

4. Application instructions

Substrate preparation

The substrate must be sound, solid, dry, clean and free of dust, grease, oils, salts, moss, algae and other substances that would prevent bonding. Old resin coatings, loose substrate layers and organically bound coats must be removed. For an ideal homogenous absorbing base, the substrate should be prepared with two base coats of KEIM silicate based paint. Absorbing unpainted surfaces can be coated first with KEIM Design Lasur-Dilution.

Translucent coating

For low-pigment coatings: mix KEIM Design-Lasur preferably with KEIM Design-Base up to the



desired degree of translucency. Dilutions in any ratio are possible. Mixing ratios from 1:5 up to 1:20 are common. Mixing ratios from 1:1 up to 1:4 are almost opaque.

For very transparent designs and for designs with full color shades, it is recommended to dilute with KEIM Design-Dilution (Fixativ). Mixing ratios from 1:3 up to 1:20 are common but higher dilution ratios are possible. It is important to keep stirring the Lasur mix before and during work. Water or other products must not be added.

The prepared Lasur mix is applied cross-wise with a Lasur brush (e.g. the oval KEIM Lasur brush), by roller or by airless spray and back rolled. It is important to work swiftly wet-in-wet and to maintain a wet edge to a corner or architectural feature.

Note

The components of the Design-Lasur-System KEIM Design-Lasur and KEIM Design-Base or KEIM Design-Dilution (Fixativ) can be mixed together in any desired ratio. KEIM Design-Base provides an attractive uniform transparency together with ideal application consistency and layer thickness. KEIM Design-Dilution (Fixativ) allows most translucent low-pigment finishes with brilliant colors and thin layer thickness.

Application conditions

Air and substrate temperature: >41 °F up to max. 86 °F (5 °C - 30 °C).

Apply only to dry surfaces and in dry weather. Do not apply under direct sun or on sun-heated substrates or in strong wind. Surfaces must be protected after application from rain, wind and direct sun until they are completely cured.

Drying times

Between the individual coats drying time of 24 hours is required depending on conditions.

Consumption

375-625 sq.ft./gallon undiluted

750-1250 sq.ft./gallon at 1:1 dilution

The consumption values given are for guidance and depend on the desired translucency effect, application method and substrate condition. Exact values may only be determined by a trial application on site.

Cleaning of tools

Clean with water immediately after use.

5. Packaging

1 gallon

2 gallon

and

4 gallon (packaged in a 5 gal pail)

6. Storage

Shelf life is approx. 12 months in sealed containers under cool, frost-free conditions. Always seal opened containers tightly. Protect from heat and direct sunlight.

7. Hazardous substances ordinance class

n/a

Classification according to flammable liquids ordinance

n/a



8. Transport hazard class

n/a

9. Disposal

EC Waste Code No. 08 01 12.

Any residues must be emptied out of containers before recycling.

10. Safety instructions

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Do not eat, drink or smoke during application. Keep out of reach of children.

Product code: M-SK 01

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