



## **M60 PAINTING/CLEAR FINISHING**

**110 MASONRY REPAIR/ PAINT – UNPAINTED SURFACES:**

### **KEIM CONCRETAL LASUR SYSTEM**

A low pigmentation silicate based colourwash coating for use on all forms of cementitious substrates. Keim Concretal Lasur maintains the look and feel of natural concrete whilst disguising blemishes and colour variations. It provides long-term decoration and is available in a wide range of standard colour shades and can also be colour matched to the substrate.

**Manufacturer:** Keim Mineral Paints Limited, Santok Building, Deer Park Way, Telford, Shropshire TF2 7NA T: 01952 231250 F: 01952 231251 E: [sales@keimpaints.co.uk](mailto:sales@keimpaints.co.uk)

### **REFERENCE: KEIM CONCRETAL LASUR**

#### **Preparation:**

Due to the translucent colourwash effect of Keim Concretal Lasur, the system is not suitable to be applied over existing coatings.

#### Keim Concrete Cleaner

Any impurities or release agents should be removed from the concrete using Keim Concrete Cleaner which is an acidic concrete cleaner. Surfaces should be pre-wetted and then Keim Concrete Cleaner applied by brush, diluted in a maximum ratio of 1:5 with clean cold water, and allowed to stand for at least 2-3 hours before thoroughly washing off.

Any new concrete surfaces shall be left for a minimum period of 15 days prior to any decoration using Keim Mineral Paints taking place.

All areas of spray paint, pencil/pen marks and any other marks on the surfaces should be removed and all surfaces thoroughly washed down with clean cold water to remove dirt and dust. The Keim Concretal Lasur system is a colourwash and remaining surface marks will show through the applied system if not first removed. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using Keim Concretal Lasur may proceed.

#### **Initial Coat(s):**

#### Keim Concretal Dilution

A liquid silicate binder used to dilute Keim Concretal Lasur and also used neat as a primer coat to reduce surface porosity. Apply a initial coat of Keim Concretal Dilution by airless spray or brush; work well into all surfaces.

#### **Finishing coat(s):**

#### Keim Concretal Lasur

A low pigmentation silicate based stain coating for all forms of cementitious substrates. After a minimum period of 12 hours a second coat of Keim Concretal Lasur may be applied, diluted to the required level with Keim Concretal Dilution a liquid silicate binder. After a further minimum period of 12 hours a third coat of Keim



Concretal Lasur may be applied (depending on the required opacity/coverage), diluted again to the required level with Keim Concretal Dilution a liquid silicate binder.

A typical dilution ratio would be 3:1 (3 parts Keim Concretal Dilution & 1 part Keim Concretal Lasur). **We would suggest that site trials are conducted to determine the amount of Dilution and number of coats required to obtain the desired opacity.**

Keim Concretal Lasur should be applied by airless spray or brush and laid off with a lambs wool pile roller if necessary; it is important that a wet edge is kept at all times and that contractors work to a natural breakline. It is advisable to work from the bottom upwards even with the application of the Keim Dilution coat so that runs going back into wet material can be dealt with. Keim Concretal Lasur should not be cut in at any time and the contents of the containers should be stirred frequently during application.

### **IMPORTANT INFORMATION REGARDING STANDARD KEIM SPECIFICATIONS**

We have taken every care to ensure that specifications are accurate, if there is any doubt about how to deal with a specific problem or the most suitable products to use, please contact us.

Specifications downloaded from the Keim Mineral Paints website are standard specifications to cover general circumstances and may not be suitable for every situation. Dedicated project specific specifications and product advice can be obtained by contacting [sales@keimpaints.co.uk](mailto:sales@keimpaints.co.uk) or 01952 231250.

It is essential that each stage of the specification is complied with, including level of preparation and drying times between coats, to ensure the best performance from the system applied. All products should be applied in accordance with the specification and relevant datasheets.

General points to be borne in mind when using Keim Mineral Paints are:-

In order for Keim Mineral paint to achieve its permanent bond with the surface it is essential that the following recommendations are followed.

#### **Pre-treatment** –

- all areas to be decorated should be free from all surface contaminants, sound, dry and dust free
- all loose, flaking and unstable material must be identified and then thoroughly removed using stiff brushes and broad bladed scrapers to get back to a sound edge; these edges should then be feathered in
- ensure that any paint materials left remaining and the underlying substrate is sound and adhering well
- caution should be taken with the removal of any pre 1960's coatings as they may contain lead
- any gloss or shiny surfaces should be thoroughly flatted down using sand or emery paper to create a good key
- if the surfaces are being chemically stripped ensure that they are thoroughly washed down of all residue prior to decoration. Due to the potential for an osmotic drawing reaction, which can bring contaminants to the surface, we do not recommend the use of poultice based strippers if the surfaces are to be redecorated
- any powdery or chalking surfaces will require treatment prior to decoration – contact Keim to ascertain the appropriate product
- use only Keim recommended fillers and sealers. Acrylic, resin and gypsum based fillers particularly are not recommended for use with mineral paints



### Material Application –

- always maintain a wet edge and work materials out well
- all materials must be thoroughly mixed beforehand, and periodically during decoration, using a mechanical mixer. We do not recommend intermixing packs, however if this is necessary ensure that products are thoroughly mixed beforehand to ensure even pigment dispersion, prior to mixing
- materials **must not** be applied at temperatures below 5°C nor those in excess of 30°C
- materials **must not** be applied if it is raining or if there is an immediate likelihood of rain
- Keim Mineral Paints should be applied onto wind dry surfaces where the moisture content on or near the surface (to a depth of 5mm approximately) should be no greater than 18% by volume. For on-site purposes a moisture meter may be used to give a qualitative reading – if the reading is in the green zone decoration may proceed
- on newly rendered surfaces we would suggest that a period of at least 15 days (30 days for lime render) is allowed following rendering, prior to the application of Keim paints
- mineral paints are manufactured using natural components and as such can appear to dry out unevenly. This is the way in which they dry, once fully dried any unevenness will disappear. Do not over-roll or touch up the paint during the drying process as this may inadvertently create patching once dry
- mineral paints will lighten as they dry, with a corresponding increase in opacity
- if airless spraying, please contact Keim for details of the appropriate nozzle sizes and optimum mesh and filter types

### **Housekeeping** –

- all adjoining surfaces must be protected during decoration, any splashes/unwanted paint removed immediately, before it is able to completely dry and bond to the surface
- any splashes or spillage should be removed immediately using water - particular note needs to be taken of this in respect of Keim on glass, as it has a slight etching effect if allowed to dry hard
- clean all brushes and tools immediately in water (some ancillary products containing solvents may require white spirit or turpentine, if in doubt please consult the relevant product technical data sheet)
- always store materials upright and secure. Protect from extremes of temperature and store in frost-free conditions

### **General** –

- when ordering reference to the project should be made, to ensure that in the event of re-ordering a colour match can be supplied
- to avoid confusion, the recommendations within this specification should be followed where there are any minor differences between this document and the standard advice on packaging and technical data sheets
- Keim Mineral Paints Ltd operates a policy of 'sale and no return' on all goods supplied in good faith