

KEIM Restauro



Think Stone, Think Keim
Keim Restauro - Stone Restoration System



The Keim Restauro System

The Keim Restauro system is a complete range of products for cleaning, consolidation, repair and preservation of natural stone. Due to the specialised nature of these products advice should be sought from Keim Mineral Paints before use.

Restoring damaged natural stone requires appropriate materials and methods in order to retain and protect stone, replicating its original appearance. Natural stone restoration encompasses a range of different measures and processes which may have a preservative, restorative and/or preventive action.





Coating: Keim Restaurolasur

Keim Restaurolasur is a low pigmentation colour wash available in a wide range of colours and shades. It acts as a stain that penetrates and bonds to the surface of stone, equalising colour variations whilst maintaining the structure and appearance of stone.

Due to its water repellency, Keim Restaurolasur, a sol silicate based, low pigment coating for natural stone, protects natural stone by reducing the absorption of water and pollutants. By varying colours and the degree of opacity to suit a particular stone substrate it is possible to achieve bespoke solutions for individual projects, to produce natural stone colouring and unobtrusive colour matching of repairs.





Water repellence: Keim Lotexan N

Keim Lotexan N is a water repellent siloxane based treatment and clear dust suppressant specifically developed for use on stone. Protection from water or moisture is among the classic stone preservation methods.

When applied, Keim Lotexan N soaks into the substrate and, having a small molecular size, coats the pores of the stone. A chemical reaction takes place, creating the water shedding properties of the siloxane, imparting water repellency while maintaining vapour permeability.

Keim Lotexan N is a beneficial alternative to traditional silicone treatments which have a much larger molecular size and tend to fill the pores rather than coating them, reducing breathability.



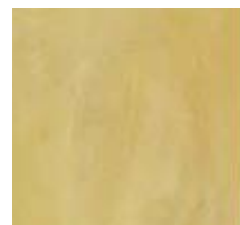


Stone Consolidation: Keim Silex OH

Stone consolidation is a restorative stone preservation measure. The aim of successful stone consolidation is to recreate the original strength of the material. The stone consolidation process using Keim Silex OH is a highly skilled procedure and advice should be sought from Keim Mineral Paints prior to its use.

Weathering of natural stone results in an increase in the pore volume in the stone's structure with simultaneous weakening of the surface. Targeted addition of binder reconsolidates the matrix of the stone which has been damaged.

Silicate based products have long been used successfully for stone consolidation. On reaction with water, they produce silica gel deposits, which have a strengthening action, while simultaneously retaining the capillarity and water vapour permeability of the material being consolidated.





Stone Reinstatement and Replacement

Stone replacement mortars are used for reconstructing stone. The Keim Restauro range of dry bagged, mineral based restoration mortars are ideal for repairing damage to natural stone surfaces.

Keim Restauro Grund

A premixed, dry bagged, mineral restoration mortar for the repair of large defects (grey colour only). For lining deep areas of damage (greater than 2cm) and as a core material for open form casting.

Keim Restauro Top

A coloured, premixed, dry bagged, mineral finishing restoration mortar that may be dressed back to match the surrounding surface. Suitable as natural stone replacement material for surface zones to reproduce the colour and texture of the original stone. Can be applied directly to the stone substrate and may also be cast in open forms. Available in a range of monotone colours and to match the original stone.

Keim Restauro Fuge

A premixed, dry bagged, mineral restoration mortar for joint filling and replacement between stonework. Especially suitable for natural stone masonry, clinker or sand lime bricks and for fair faced masonry (brickwork, calcareous sandstone). Available in a range of monotone colours and to match the original stone.

Keim Restauro Giess

Casting mortar for reinstatement and reproduction of stone architectural details and figures by open or closed form casting. Available in a range of monotone colours and to match the original stone.





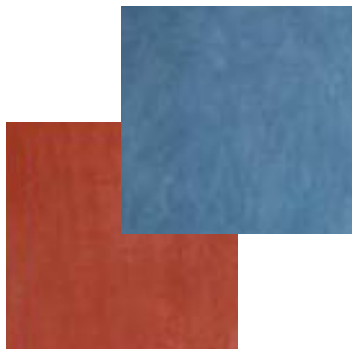
Stone Cleaning

Keim Steinreiniger N:

A neutral, biodegradable cleaning concentrate for gentle cleaning of natural stone and clinker brick facades.

Keim Algicid Plus:

A cleaning agent for mineral surfaces colonised with algae, fungi and lichens, particularly suitable for natural stone.





Key Features and Benefits:

Keim Restauro Lasur

- Good water repellency
- Protection from weathering and erosion
- Absolutely lightfast and UV resistant
- Minimal soiling
- Retains original stone appearance
- Mineral matt surface
- Stone colour can be matched

Keim Lotexan N

- Breathable
- Water repellent
- Dust suppressant
- Colourless
- Forms no visible film or sheen
- Does not darken the surface
- Reduces surface pollution
- Resistant to mould and algae

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