

KEIM Royalan



Think Exteriors, Think Keim
Keim Royalan: Mineral paint for extreme climatic conditions



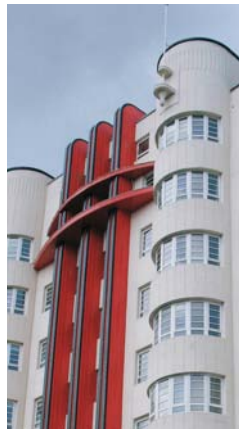
Keim Royalan – The Extreme Choice

Keim Royalan is a mineral silicate based paint system developed to withstand harsh climatic conditions, ranging from hot, humid tropical conditions to harsh cold environments, ideal for severe and coastal UK weather. Keim Royalan is suited for use in exposed locations and those subject to continual pollutants and contaminants.

The crystalline nature of Keim Royalan allows vapour to pass freely through the coating from the substrate whilst at the same time protecting against the ingress of moisture, giving up to 96% breathability after coating, eliminating blistering, cracking or peeling associated with conventional paints.

Keim Royalan is manufactured from waterglass (potassium silicate) and natural earth oxides, and is inherently compatible with mineral substrates, with its advanced formulation also making it ideal for coating ceramic and hard substrates such as tiles and brickwork. The potassium silicate mineral binder reacts chemically with the substrate creating a strong, permanent bond between the paint and the underlying substrate. Keim Royalan has a thermal expansion coefficient comparable with mineral substrates resulting in a reduced tendency to form cracks.

Keim Royalan is environmentally friendly, being water borne, non-toxic, solvent free and odourless. Keim Royalan is manufactured in accordance with ISO 9001 and the environmental ISO 14001 standard.





Keim Royalan – The choice for a lifetime

The microcrystalline structure of Keim Royalan provides a high light reflectance surface, appearing bright and vibrant, even on dull days. Keim Royalan is manufactured using natural earth oxide pigments which are UV stable and do not fade with time. Light and thermal rays are reflected from the crystalline structure, in hot regions this reflection reduces the thermal stress on the building structure, reducing the tendency for the substrate to crack and lowering the temperature inside the building.

Keim Royalan is non combustible. Keim Royalan is unaffected by acids and pollution, protecting the substrate from contaminants such as acid rain. As the surface does not retain electrostatic charge it does not attract dirt from the atmosphere. The inorganic alkaline composition of Keim Royalan reduces fungal and algae growth.

The Keim Royalan System

Keim Royalan: mineral silicate paint for all mineral substrates, ideally suited for severe exposure locations severe exposure locations and demanding environments.

Keim Royalan Dilution: liquid silicate binder used to dilute Keim Royalan. May be used neat as a primer coat to reduce high surface porosity.

Keim Royalan Grob: silicate bridging coat for previously painted surfaces or for surfaces requiring hairline cracks to be filled.





Key Features and Benefits:

- Specifically developed for harsh climates
- Highly resistant to weathering
- Environmentally friendly
- Breathable, water repellent and water vapour permeable
- Increases light reflectivity
- Lightfast mineral matt colours
- Resistant to airborne pollutants and acid rain
- Inherently incombustible
- Extreme long life
- Resistant to fungal and algae growth

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