KEIM GRANITAL®

THE ORIGINAL.
FIRST-CLASS SILICATE EMULSION PAINT.
OBVIOUS

Top quality

Protects built values

Non-combustible

Colour-stable

Non-combustible
THE ANSWER IS OBVIOUS AND MINERAL

KEIM Granital® stands for high-class quality and sustainable protection for built values. Highly durable, wide colour range and particularly friendly for the environment. KEIM Granital® is an investment in the sense of economic and ecological foresight.
KEIM GRANITAL® –
TOP-NOTCH QUALITY FOR MINERAL SUBSTRATES

TOP CLASS SILICATE EMULSION PAINT
Very long service life, ideal values from the standpoint of building physics, absolutely light-resistant, UV-stable, economical, environmentally sound and easy application. Over 135 years of expertise and knowhow in research and development of mineral products for building protection are put into KEIM Granital®. Basis is the mineral principle of the so-called “silicification”. Silicate paints don’t form a film on the surface when applied, but they form an insoluble bond with the substrate by a chemical reaction. Countless historic buildings testify impressively the unequalled longevity and vibrancy even after decades. Facades coated with KEIM Granital® age gracefully!

The mineral principle assures top-class quality for a lifetime.

PERFECT FORMULATION
KEIM Granital® combines economy with environmental soundness and aesthetics: High-quality raw materials like liquid potassium silicate as binding agent, mineral fillers and absolutely light-resistant, inorganic colour pigments guarantee unequalled durability and colour brilliance. Minimal water absorption and high water vapour permeability provide a low soiling tendency, natural protection against algal and fungal infestation, plus, a lifespan that is about twice as long than common, non-mineral coatings.

RESPONSIBILITY FOR HUMAN AND NATURE
Sensational durability of the coating extends the renovation interval cycles. This does not only save material, energy and costs – it also has a lower impact on the environment.
COLOUR-STABLE OVER A LONG TERM
The appearance of a building is significantly featured by its facade, provided that the colour shade keeps the original beauty and intensity for a long time.
For this situation KEIM Granital® provides the decisive advantage and ensures long-lasting colour-resistant and clean facades: High-class light-resistant pigments resist sun and rain and guarantee permanently brilliant colours.
An investment that pays off – because facades coated with KEIM Granital® have most definitely even after years the same colour shade as on the day they were just painted!

DIVERSITY OF COLOUR EFFECT
KEIM Granital® with its perfectly coordinated formulas is available in full-tone colours and more than 270 standard shades and provides almost unlimited options to perform with various application techniques demanding colour concepts and creative facade designs.

WORLDWIDE PROVEN
From Finland to South Africa, from California to China – numerous buildings around the globe give impressive proof what makes KEIM Granital® so unique: Uncompromising mineral quality for all climate zones.

Sustainability is a must and applies also for the colour shade! Learn more at www.keim.com
PREMIUM QUALITY FOR HISTORIC ARCHITECTURE IN BERLIN
The Palace of the Princesses located on the Unter den Linden Boulevard in Berlin has an eventful history: Once built as residence for various members of the Prussian ruling family, then used as museum and later as very popular opera house café. The oldest wing of this building, also known as Opera Palace (Opernpalais), is from the year 1730 and was refurbished by Karl Friedrich Schinkel one hundred years later.
A private investor bought the historic city palace in 2014 and commissioned the British star architect David Chipperfield with the master plan for renovation and conversion. Responsible for the colour design of the facade were the renowned restorers from Howahl Spies in Berlin.

EXEMPLARY RENOVATION WITH KEIM GRANITAL®

Ralph Spies, graduate restorer (FH), Howahl Spies Restauratoren
www.restaurierungberlin.com

INTERVIEW
Mr. Spies, why do you trust the mineral products from KEIM?
We from Howahl Spies Restauratoren work a lot with KEIM products and we like them especially. KEIM is often times specified by the monument protection authorities, and plus, we are convinced by the excellent quality, reliability and service.

Was there a particular requirement when renovating the Opera Palace in Berlin?
The architect specified a facade coating with KEIM Granital® as three-layer structure: Base coat with KEIM Granital®-Grob, tinted intermediate coat with almost opaque KEIM Granital® and a semi-transparent top coat with KEIM Granital®. To keep the lively look of the facade, we used a wall brush and applied the paints with a subtly shimmering and slightly vibrant interplay of the colours. Beforehand, the colours were sampled and defined based on the KEIM colour swatches. It was so easy to reorder the paint material thanks to the colour code with a 100% colour shade guarantee! That worked really fantastic. We could order the paint in partial quantities, and like always, we were satisfied with the application quality and efficiency.

"It is so important to have a reliable partner like KEIM at your side, especially, when working with valuable building material." Ralph Spies
KEIM CONTACT-PLUS – THE PROBLEM SOLVER

KEIM Contact-Plus is a perfect problem solver! This renovation bridging coat is the preparation on sound, organically bound or mineral existing coatings for a refinish with KEIM Granital® if the existing coatings cannot be removed or if the removal is too cost-intensive or would affect the environment. KEIM Contact-Plus products are silicate based, closing base coatings according to DIN 18363 par. 2.4.1. with pure acrylate additive, glass fibres and high-quality fillers with balanced grain sizes and shapes.

KEIM CONTACT-PLUS-GROB
This highly filled renovation base coat provides also a perfect bridging on synthetic resin bound or mineral existing coatings and/or equalises structural differences in the substrate and closes fine, non-moving cracks that are up to 1.0 mm wide.

KEIM Contact-Plus – for easy bridging of existing coatings.
KEIM GRANITAL®
PAINT SYSTEM

KEY FEATURES

- Unequalled durability
- Excellent structural properties
- UV-stable
- Optimally coordinated system components
- Worldwide proven
- First "natureplus" certified facade paint

SYSTEM COMPONENTS AND TECHNICAL DATA

<table>
<thead>
<tr>
<th>System</th>
<th>KEIM GRANITAL®-SYSTEM</th>
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<tbody>
<tr>
<td>Product name</td>
<td>KEIM Granital®/KEIM Granital®-Grob KEIM Contact-Plus/KEIM Contact-Plus-Grob</td>
</tr>
<tr>
<td>W-value</td>
<td>Class III, w &lt; 0.1 kg/m²h⁰.⁵</td>
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<tr>
<td>Sd-value</td>
<td>Class I, sd ≤ 0.01 m</td>
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<tr>
<td>Colour stability*</td>
<td>A1</td>
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<tr>
<td>Technology</td>
<td>Silicate technology</td>
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<tr>
<td>Classification</td>
<td>Ready-to-use, water-repellent, silicate emulsion paint according to VOB/C DIN 18363 par. 2.4.1.</td>
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* Colour code according to the BFS Technical Information No. 26

COATING STRUCTURE WITH THE CORRESPONDING SYSTEM COMPONENTS

| Coating structure | KEIM Granital® KEIM Granital®-Grob KEIM Contact-Plus KEIM Contact-Plus-Grob |
|-------------------|-----------------------------|-----------------------|------------------------|
| Base coat | KEIM Granital® KEIM Granital®-Grob KEIM Contact-Plus KEIM Contact-Plus-Grob |
| Top coat (undiluted) | KEIM Granital® KEIM Granital® KEIM Granital® KEIM Granital® |
| Dilution for the base coat | KEIM Fixativ, KEIM Spezial-Fixativ |