

## Standard Specification for the application of Keim Granital to exterior surfaces of Heritage Buildings

Project:  
Specification: P2515  
Date: April 2020  
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### 1.0 PREAMBLE:

This specification is for the coating of all exterior wall surfaces, where special considerations are required to protect a heritage building.

The requirement is for a natural mineral silicate and breathable coating system.

The principle advantage of such a system, is the longevity, natural appearance and breathability of the coating system.

The system would provide a 10-year Film Integrity warranty system.

### 2.0 SURFACE PREPARATION:

#### Exterior Walls:

#### 2.1 Extent of works:

All identified external brick, plaster, concrete surfaces.

#### 2.2 Surface Preparation:

Mortar and plaster repairs by others.

Test for any lead-based paint residues and asbestos content. Containment and residue collection and disposal measures will need to be activated, if the tests are positive. Further advice will be required.

Existing coatings need to be analysed to what they are, what condition they are in and what works is possible to bring the surface up to a suitable surface to paint over.

Equus is best to comment on each project and provide options on what is the best preparation process.

Subject to Equus and Architects inspection, the pre-treatment and cleaning regime would be along these lines.

Flakey paint will need to be fully removed or partially removed after further inspection. All abrading of surfaces will have to strictly comply with the architect's guidelines.

Another option is steam cleaning as this can soften and remove unstable paint. Test required.

Moss kill with a heritage approved product prior to works start.

Inspect for any efflorescence and discuss with the architect on what treatment is going to be acceptable.

Low pressure wash down with long handle soft brooms. Scrub hard and rinse with clean water. Repeat as required to get the surface as free of possible of remaining chalky and oxidised residues.

## 2.3 Surface Pretreatment: Where required

### .1 Cracks/ blemishes and skim coating rough panels

Allow to clean out any cracks or blemishes and fill with **Multiplast Finishing Compound** available from Equus. The product can be built up from 0.5mm to a maximum of 4mm **Sealant Repairs and Gap filling – Tremco Tremflex 834 Sealant** – water based. **Damaged ledges and parapets** – may require waterproofing with **Chevaline Dextx** membrane.

Also falls may need to be increased with a lightweight screed.

## 3.0 KEIM GRANITAL COATING APPLICATION:

Application of **Keim Granital Grob** basecoat and **Keim Granital** Topcoat over specific primer

**Keim Granital Grob** basecoat and **Keim Granital** topcoat is normally applied as a coat of each over a specific primer coat. The product is ready to use and will not require thinning.

### 3.1 Primer Options:

To uncoated masonry - One Coat of **Keim Granital Dilution** at 10msq per litre.

Over existing paint coatings that are in sound condition – **Chevaprime UM** at 10msq per litre.

Where a salt suppressant breathable sealer is required at seaside locations – one penetration coating of **Equus WBSB** at 10msq per litre on uncoated mineral surfaces. Allow 48 hours curing time before coating.

### 3.2 Second Coat: Keim Granital Grob Basecoat

Apply the **Keim Granital Grob** basecoat mix as a full even coat, working well into the surface. For the first coat the material shall be applied by brush or roller and ensure any surface undulations are fully filled.

The mix described above will cover approximately 6 sqm / kg (7 sqm / litre of mix). Apply the material as you would apply conventional paint, flowing it on the surface and working it in.

Let the second coat dry at least 48 hours and longer in marginal conditions.

### 3.3 Third Coat: Keim Granital Topcoat

For this coat, apply direct from the container as per the **Keim Granital Grob** basecoat. If using a roller, use a medium nap roller and, as with brushing, ensure that you always finish in the same direction. Apply in dry conditions with no rain expected for 6 hours after completion.

## 4.0 SPECIFICATION NOTES:

### 4.1 Handling:

The material handles very much like heavy bodied water based paint and should be treated in the same way. Do not work in direct sunlight if you can avoid it. When working on an area, always work to a straight edge corner for change of direction, before stopping work

### 4.2 Dilution:

Never dilute or thin **Keim Granital** or **Keim Granital Grob** with water. If the material is a little 'heavy,' dilute with a small further amount of **Keim Dilution**.

Once **Dilution** has been added to **Granital**, there is no 'pot-life'. The purpose of adding **Dilution** on site is simply to ensure that you make allowance for the particular coat of the system that you are applying, and the atmospheric conditions at the time.

#### 4.3 Clean up:

Clean your application and mixing equipment by washing up in clean tap water. Let equipment dry before reusing.

#### 4.4 Health and Safety:

**Keim Granital** is environmentally friendly. However, we would still recommend the use of barrier cream on hands and arms before using the material as this will make it easier to clean splashes off your skin.

#### 4.5 Equus Quality Assurance Program:

Equus Industries Ltd will provide a full Quality Assurance document for the contractor to observe during the installation process. This will be in the form of a chronological sequence and will require sign off per area by the contractor and the Equus Technical Representative.

### 5.0 MAINTENANCE AND WARRANTY:

#### 5.1 Maintenance:

This coating system may be cleaned at any time by low pressure washing with a weak (0.1 %) solution of neutral detergent. Refer to the job specific cleaning document designated for this project. The window cleaning materials are identified in this program. When recoating is required either to maintain long term integrity or for weather resistance, this may be carried out using one or two coats of **Keim Granital**. It may be necessary to periodically clean the surface every 5 to 10 years to maintain **Keim Granital's** pristine appearance. Refer to the maintenance document provided by Equus Industries Ltd.

#### 5.2 Warranty:

Provided work is carried out in accordance with this specification, or with amendments made by Equus Industries Ltd as a result of site investigation before or during the contract, warranties can be made available for terms as below.

Keim Coating System -10 years film Integrity

Such warranties are issued by the Equus Approved Applicators contracted to do the work and are backed by Equus Industries Ltd as to suitability and quality of the materials supplied.

A full Equus QA Program will be incorporated within the contract with inspections and sign offs being a recommended component within the installation process.

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