



## KEIM MINERAL PAINTS CASE STUDY DURBRIDGE HOUSE, GLOUCESTER

KEIM ROYALAN® ONTO KEIM UNIVERSAL RENDER®



Before



After





Before



After





Before



After



# DURBRIDGE HOUSE, REDMARLEY, GLOUCESTER

Breathing new life into a 16<sup>th</sup> century farmhouse in Redmarley, Gloucester, Durbridge House has undergone extensive renovation works.

Bryan Roe of KEIM Mineral Paints, visited the property and found evidence of algae, and flaking paint. In order to provide a solid foundation on which to paint, a skim coat of KEIM Universal Render for the base of the exterior stonework was recommended, to consolidate the friar stone and create a bell shape for improved water shedding.

The damp chimney stack on the north elevation was stripped back, using the DOFF system (a high temperature, low pressure method, which is least invasive for the brick facia), to release trapped water and left to dry for two weeks prior to re-decoration.

Bryan recommended removing all loose material by wire brush, as well as stripping the chimney stack and base of the stonewall to the north elevation, as much as possible.

To remove the red algae, 50:50 of bleach and water was advocated, in addition to KEIM Algicide for mould and algae growth.

The KEIM Royalan system was recommended, due to its durability and breathability. It was applied to the newly skimmer render and will provide a long-lasting coating, as its highly resistant to fungal and algae growth, while also being resistant to airborne pollutants and acid rain.



# KEIM UNIVERSAL RENDER® & KEIM ROYALAN®

[KEIM Universal Render®](#) is a renovation and thin layer wall render, based on lime and silicates with fibre reinforcement, for use on all mineral substrates, both exterior and interior.

## Key features & benefits:

- Simple, reliable and economic
- Highly breathable
- Ideal for concealing cracks, flaking and differences in texture
- Suitable for swimming pool walls and ceilings
- Easy to use, quick to apply application
- Long life and durable system

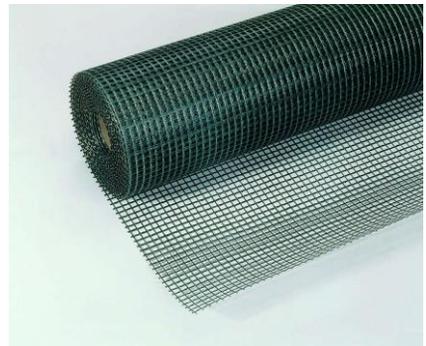
[KEIM Glassfibre® Reinforcing Mesh](#) is a ready to use reinforcing mesh for both localised added crack resistance and increased flexibility for façade rendering.

[KEIM Royalan®](#) is a mineral silicate based paint system which has been developed to withstand harsh climate conditions.

## Key features & benefits:

- Breathable
- Extreme long life/durable
- Increases light reflectivity
- UV stable
- Advanced weathering protection
- Highly resistant to fungal & algae growth
- Resistance to airborne pollutants & acid rain
- Can be applied onto glass, ceramics and tiles

[KEIM Royalan® Dilution](#) is the liquid potassium silicate dilution for KEIM Royalan®.



# CREDITS

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**Specifier:** Nicholas Keeble Architects

**Applicator:** I.J. Preece & Son Limited

**Location:** Durbridge House, Redmarley,  
Gloucester, Gloucestershire GL19 3LS

**Completed:** 2022





KEIM MINERAL PAINTS LTD.  
Santok Building, Deer Park Way, Donnington Wood  
Telford, Shropshire, TF2 7NA  
01952 231250 / [www.KEIMpaints.co.uk](http://www.KEIMpaints.co.uk) / [sales@KEIMpaints.co.uk](mailto:sales@KEIMpaints.co.uk)

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