

Project Profile - Buildings & Commercial Construction



PROJECT

The Royal Hall, Harrogate

SUMMARY

Repair and waterproofing of basement walls and soffits and internal rendering

PRODUCTS

Monolite
Monolevel RM
Polymer Admixture 850

CLIENT

Harrogate Borough Council

CONTRACTOR

Main Contractor: HBG Construction
(North East) Limited

Specialist Contractor: VA Crookes
(Contracts) Limited

BACKGROUND ►

This Grade II* listed building which was the creation of Britain's greatest theatre designer, Frank Matcham and his architect Robert Beale, was completed in 1903.

The building's design was derived from the great ballrooms and music pavilions of Imperial Europe allied with the traditions of the British Theatre movement. In September 2000, extensive structural problems were discovered with large areas of the 100 year old concrete which makes up much of the sub-structure found to be in a highly advanced state of decay.

THE SOLUTION ►

Capable of being applied in layers up to 100mm on soffits and impermeable to water under 10 bar pressure, **Monolite** was applied to stainless steel mesh on soffits to both improve fire resistance and form an impervious surface for the new ventilation system. **Monolevel RM**, a fibre reinforced render, was applied to walls to form a waterproof and airtight surface for the plenum chambers. **Monolite**, because of its low density, was also used for the repair of lightweight concrete floors. Site batched polymer render modified with **Polymer Admixture 850** was used for hardwearing surfaces in below ground toilet and storage areas and backstage areas.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

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