

A GUIDE TO THE CONSERVATION OF JOINERY



**HISTORIC, ARCHITECTURAL
AND PERIOD BUILDINGS**

 **REPAIR CARE**

PRACTICAL, FAST AND COMPLETE

Considerations for the conservation of joinery

Timber is a warm, attractive, workable and traditional material. Original wooden windows were constructed from slow grown trees where the timber was seasoned and then selected for appropriate use.

Joinery in our period buildings has proved it's durability over hundreds of years and when properly maintained, windows will remain as part of the fenestration for many years to come.



Professionals involved with heritage assets need to reinstate decayed joinery to original profiles without affecting surrounding substrates e.g. glass and render.

Any reinstatement must meet certain criteria; it should be reversible, practical, minimal, durable and cost effective. Unfortunately, traditional repair techniques, such as splicing and the use of modern fillers often do not meet these criteria.

Additionally in these days of environmental considerations, energy efficiency and comfort there are constant demands to improve a window's performance, an issue highlighted when joinery is inspected for defects prior to redecoration.

A system based repair alternative

The conservation industry now has a system available that creates minimal disruption to surrounding substrates, offers durable repairs and has the option of conserving existing joinery.

It uses technology in conjunction with traditional skills and timber.



This combination creates the opportunity for in-situ repairs as shown in the photographs above. Additionally, the very useful options of dealing with the main causes of premature paint failure and future timber decay can be addressed.

Experience has shown that repairs are less expensive than replacement and Repair Care work can be the best value option.

Thermal improvements and appropriate decorative coatings can be specified and the joinery will last for many years without significant cost or disruption to the building.

The Repair Care system

The Repair Care system uses a combination of a high speed routing machine to remove all decay without affecting the surrounding substrates, and a resin with working characteristics similar to timber.

Repairs are undertaken using resin or resin and timber as appropriate. Environmentally it is beneficial to reinstate joinery rather than to replace, especially when non-timber based replacements are considered.

The system has been used for 20 years and is specified by professional conservators and organisations that have an interest in retaining the original character of buildings. It is specified for listed buildings as well as estates and individual properties.

Specialist contractors already trained in the use of the system are available to carry out restoration work, however when another preferred contractor is asked to use the system, Repair Care training can be arranged for them.

Restore decayed timber



Remove all decay using the Repair Care Mini-PROFI™.



Stabilise sound timber with DRY FIX®.

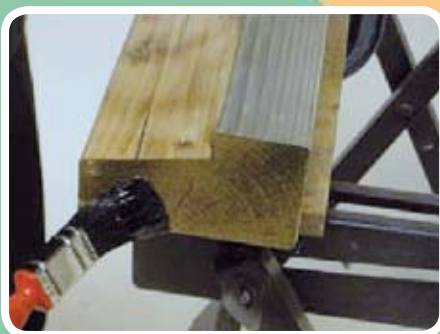


Repair using DRY FLEX® resin or resin and timber.



When splicing, consider the selection of a similar species to the original, possibly a good quality soft wood (e.g. Douglas fir grade 2 or better), or the appropriate durable hard wood.

Conserve existing joinery



Seal end grain with DRY SHIELD™ SK end grain sealer.



Seal construction joints, splits and shakes with DRY FLEX® resin



Improve glazing



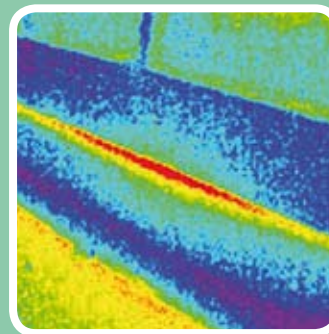
Replace failed linseed oil putty with DRY SEAL™ MP elastic glazing sealant

Extend decoration cycles



Choose an appropriate exterior quality paint or wood stain system.

Improve thermal efficiency



Consider the installation of a draught proofing system.

Repair Care Support Services

Trained Contractors Repair Care has a number of specialist contractors sympathetic to the needs of traditional buildings.

CPD seminars can be arranged.

Technical Advisors who can offer advice and recommendations on projects.

Website gives access to Excel costing sheets, product information, recent case studies, FAQ's, Health and Safety information and training courses.

Links with manufacturers of draught proofing systems and coating systems who have products suitable for traditional properties.

Specification and Costing spreadsheet based on MS Excel is available.

10 year guarantee is available against the failure of any Repair Care work. Terms & Conditions apply.

Contractor Training courses available nationwide.



PRACTICAL, FAST AND COMPLETE

Repair Care restoration and conservation work

