

Richardson
& Starling

wet rot
dry rot
dampness
woodworm
waterproofing

Technical Guide

www.woodrot.com

INSECT ATTACK

In the UK there are many types of insects which are capable of destroying both the aesthetic and structural properties of timber. Our treatment range includes products to eradicate all forms of infestation. The table below provides guidance on identifying the insect involved.

INSECT	FLIGHT HOLES	BORE DUST	COMMENTS
Common Furniture Beetle Anobium punctatum	About 1.5mm	Gritty (fine sand). Lemon shaped pellets.	Predominantly found in softwoods, although sapwood or hardwood may also be affected, especially in damp conditions.
Death Watch Beetle Xestobium rufillosum	About 3mm	Like coarse sand. Bun shaped pellets.	Normally in oak, associated with damp timber and fungal decay.
House Longhorn Beetle Hylotrupes bajulus	Oval holes 6 - 9mm	Contains cylindrical pellets.	Affects softwoods, generally restricted to Surrey (Camberley Beetle).
Wood-boring Weevils	Ragged About 1.5mm	All pellets, finer than Common Furniture Beetle.	Only affects timber attacked by fungus.

FUNGAL ATTACK

Rot generally occurs when moisture contents within the timber rise above 20%. The table below provides guidance on the identification of the problem.

FUNGHI	FRUIT BODIES	MYCELIUM	WOOD
Donkioportia expansa WHITE ROT WET ROT	Thick, hard plate or bracket. Dull fawn or biscuit colour. Long pores, often in several layers	White to biscuit in colour found within the timber.	Attacks hardwood, mainly Oak. Will decay softwood if adjacent. Wood reduced to consistency of whitish lint. No cuboidal cracking.
Coniophora puteana BROWN ROT WET ROT cellar fungus	Thin plate. Greenish olive brown. Spores on many minute pimples.	Slender, thread-like, first yellowish, soon becoming deep brown or nearly black.	Causes darkening of the wood. Small cuboidal cracking usually hidden below a sound veneer which appears to be stained with water. Attacks wood in a very damp situation in cellars, skirting boards etc.
Antrodia vaillantii BROWN ROT WET ROT Porra	Soft, white plate, hard when dry. Spore bearing surface showing numerous minute pores.	Very white fern-like growth on edges of sheet never showing colouration. Strands remaining flexible when dried.	Causes darkening of the wood. Large cuboidal cracking. Often found under floor covering.
Serpula lacrymans BROWN ROT DRY ROT	Fleshy, soft plate. Spore bearing surface yellow to red, with wide pores or labyrinthine ridges and furrows. Edges white.	Soft white/grey sheets or cushions showing patches of yellow and tinges of lilac. Strands sometimes as thick as a pencil. Becomes brittle when dried.	Causes darkening of the wood. Large cuboidal cracking. Cubes same size or larger than those of Antrodia vaillantii.

DAMPNESS

If the problem is Rising Damp it can be effectively eradicated using one of our chemical, mortar or cream injection systems in conjunction with a re-plastering specification. Where dampness is occurring in below ground level areas our waterproofing systems should be chosen.

EFFECT	TIME & WEATHER	PROBABLE CAUSE
Patches on external walls, usually on lower exposed elevations.	After rain.	Penetrating Dampness.
As above, also top floor internal but related to external defects (chimneys, flashing, windows, rainwater goods etc).	After rain.	Penetrating Dampness.
Patches or continuous bands in ground floor rooms extending up from floor level.	Usually persistent, prolonged damp.	Rising Dampness.
Damp patches showing on plaster as an after effect of rising damp. Occasionally, damp patches on chimney breast.	Before and possibly during rain (typically comes and goes).	Hygroscopic (damp absorbed from the atmosphere by salts in plaster & general masonry).
Patches on external walls, often in corners, within cupboards. Moulds disfiguring surface. Especially prevalent in or near kitchens and bathrooms.	Usually in cold weather.	Condensation.



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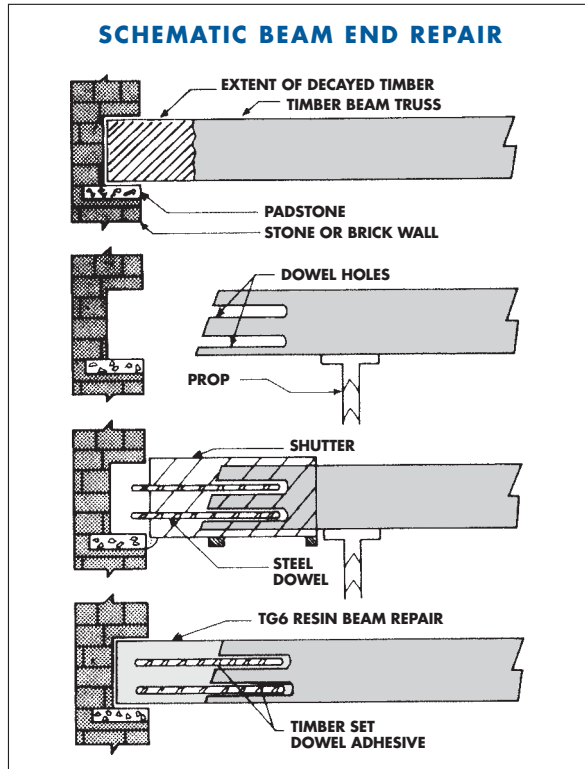
building
Preservation

70 years in business is
the 30 year guarantee
you can trust!

RESIN REPAIRS

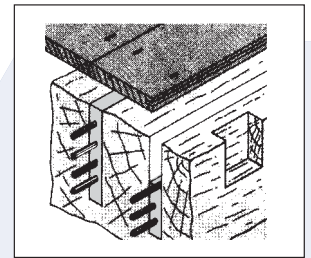
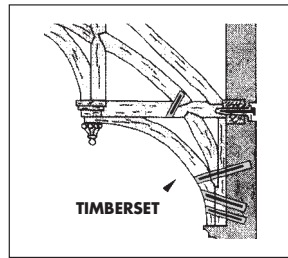
TIMBER GROUT TG6 (100%) SOLID SYSTEM SOLVENT FREE

TG6 is an epoxy resin especially developed for the repair and upgrading of structural timbers.



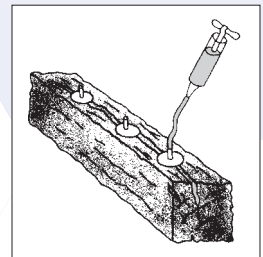
MOULDING MORTAR TM3 (100%) SOLID SYSTEM SOLVENT FREE

TM3 is a unique product based on the latest resin technology. It is an epoxy paste which can be shaped and trowelled onto existing timber for repairs, filling of holes and making good where decayed timber has been removed.



CRACK INJECTION (100%) SOLID SYSTEM SOLVENT FREE SHAKE AND CRACK INJECTION. CB10 SERIES

CB10 series of two component epoxy resin systems have been designed for the structural and cosmetic repair to natural timber beams in softwood and hardwood and for the restoration of structures made from glue laminated sections.



TG6, Timberset and Resiwood are all registered trademarks of Rotafix (Northern) Ltd.



For a no obligation survey, call your local service centre.

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