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MODEL CLAUSES FOR CIVIL ENGINEERING WORKS

SECTION 164 TIMBER PRESERVATION AND FIRE PROTECTION

Contents		Page
164.001	Preservative treatment generally	2
164.002	Type of preservative	2
164.003	Approval of proprietary preservative treatments	2
164.004	Moisture content and condition of timber prior to preservative treatment	2
164.005	Close dimensional tolerances	3
164.006	Fittings	3
164.007	Fabrication after treatment	3
164.008	Fire retardant treatment	3
164.009	Timber strength of fire retardant treatment timber	4
164.010	Moisture content of fire retardant treated timber	4
References	British Standards	5
	Other publications	5

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SECTION 164

TIMBER PRESERVATION AND FIRE PROTECTION

Preservative treatment generally

164.001 Preservative treatment of structural components shall be carried out using the preservative types and treatment schedules applicable to the situation or structure type as given in BS 5268-5 or BS 8417.

Preservative treatments for timber to be submerged in water shall be provided in accordance with BS 5268-5 or BS 8417 as applicable.

Where components do not clearly correspond to a situation as identified in BS 5268-5 and BS 8417 Table 4, or to a component or structure type as identified in BS 5268-5 or BS 8417, the requirements of the Employer's Representative shall be sought.

Structural timbers shall meet the durability recommendations of BS 5268-5 or BS 8417 for components identified within BS 5268-5 or BS 8417 as risk category 2 and service factor B or higher in any combination.

Type of preservative

164.002 Where not specified on the Contract Drawings, the preservative to be used shall correspond to one of the following types, as approved for the component in BS 5268-5 or BS 8417:

- (i) water borne micro-emulsion preservatives,
- (ii) water borne copper organic preservatives,
- (iii) organic solvents,
- (iv) creosote,
- (v) Boron.

Approval of proprietary preservative treatments

164.003 Proprietary preservative treatment types as specified in BS 5268-5 or BS 8417 for the component shall be of proven efficacy. The registration and inclusion of a proprietary preservative treatment in the Wood Protection Association (WPA) manual shall constitute acceptability.

Moisture content and condition of timber prior to preservative treatment

164.004 The condition of the timber prior to preservative treatment shall be in accordance with BS 5268-5 and BS 1282.

Where applicable the treated timber shall be re-dried to $\pm 2\%$ moisture content of that expected in the final service conditions before delivery to Site.