

## **PAINING SPECIFICATION**

Page one

### **PREPARATION FOR PAINTING /CLEAR FINISHING**

#### **GENERAL**

SCOPE: This specification deals with the preparation of unpainted surfaces and the surface preparation of painted surfaces ready for application of coating systems specified in V52 Painting/Clear Finishing.

Documents which relate to this section are:

NZS 7703 The painting of buildings.

AS 2313 Guide to the protection of iron and steel against exterior atmospheric corrosion.

Health and safety in Employment Act 1992.

Documents listed above and cited in the following clauses are part of this specification and are the latest edition, including amendments, at the time of tender. However, this specification takes precedence when it is of a higher standard in the cited document

HEALTH AND SAFETY: Refer to the requirements of the Health and Safety in Employment Act and if elimination or isolation are not possible then minimise hazards in this work on site by using proper equipment and techniques. Supply protective clothing and equipment. Inform employees and others on site of the hazards and put in place procedures for dealing with emergencies.

Refer to NZS 7703 for the recommended procedures and precautions when

- treating/removing lead base paint
- burninig off paint
- sanding off paint
- using solvent base paint removers.

#### **MATERIALS:**

##### **FILLING, STOPPING AND CLEANING MATERIALS:**

FILLERS, stopping, paint strippers, cleaning agents, etching solutions, mould inhibitors, rust inhibitors, knotting and other commodities to be types recommended by the coating manufacturer for the surfaces being prepared.

#### **WORKMANSHIP:**

PREPARE surfaces to NZS 7703 and coating manufacturer`s recommendations.

Use paint strippers, cleaning agents, etching solutions, mould inhibitors, rust inhibitors, size, stopping, knotting, and fillers to coating manufacturer`s, and NZS 7703 recommendations.

SURFACE TO BE COATED: If any substrate material and surfaces are of such a standard that even with the preparation work called for in this section they cannot be brought up to a standard that will allow first class painting/clear finishing do not proceed.

Inform the contractor of the defective area so that remedial work can be carried out to the architects` approval.

## **PAINTING/CLEAR FINISHING**

**SCOPE:** This section deals with the decorative/protective paint coating of prepared surfaces, ceiling, staining and clear finishing.

**NZ BUILDING CODE:** Refer to the following NZ Building Code clauses and Approved Document paragraphs for the criteria and/or methods that must be used in this section to establish compliance with the Code.

C3/AS1        Spread of fire.  
                  8.0 Surface finishes, floor coverings and suspended flexible fabrics.  
F2              Hazardous building materials.

**DOCUMENTS** which relate to this section are:

NZS 7703        The painting of buildings.  
AS 2312        Protection of iron and steel against exterior atmospheric corrosion.  
NZ Painting Contractors Association (Inc.) Painters Hazard Handbook.  
Health and Safety in Employment Act 1992  
Dangerous Goods Regulations, Flammable Liquids 1985.

Documents listed above and cited in the following clauses are part of this specification and are the latest edition, including amendments, at the time of tender. However this specification takes precedence when is of a higher standard than the cited document.

**PAINTER QUALIFICATION:** All work in this section to be carried out by a member of the NZ Painting Contractors Association (Inc) using painters experienced with the techniques and the coating systems specified.

**GUARANTEE:** This work under normal conditions of use against failure of

- materials and

- workmanship for 3 years from date of practical completion.

Make out in Form of Guarantee in Section A21 Preliminaries – Special Condition of Contract in Employers` name, submit to Architect for comment and obtain approval before commencing this work.

**HEALTH AND SAFETY:** Refer to the requirements of the Health and Safety in Employment Act and, if their elimination or isolation is not possible, then minimise the hazards in this work on site by using proper equipment and techniques as recommended in the Painters` Hazard Handbook. Supply protective clothing and equipment. Inform the Contractor as well as employees and others on site of those hazards and put in place procedures for dealing with emergencies.

**MATERIAL SAFETY DATA SHEETS:** Obtain from each manufacturer the material safety data sheet for every product used and comply with the safety procedures. Keep all sheets on site.

## **WORKMANSHIP**

**WORKMANSHIP:** To confirm with the best trade practice, which shall be deemed to include those methods, practices and techniques contained in NZS 7703 and the NZ Painting Contractors Association Specification manual.

**COMPATIBILITY:** Check that all materials to be used are recommended by their manufacturers for the particular surface and conditions of exposure, and that they are compatible with each other. Inform Architect if they are not and obtain instructions before proceeding.

**TREATED SURFACES:** Where surfaces have been treated with preservatives of fire retardants, check with treatment manufacturer that coating materials are compatible with the treatment and do not inhibit its performance. Inform Architect if they are not and obtain instructions before proceeding.

**ANCILLARY SURFACES:** The descriptions of areas to be coated given in schedules and elsewhere are of necessity simplified.

Coat all ancillary exposed surfaces to match similar or adjacent materials or areas except where a fair-faced natural finish is required or items are completely prefinished.

In cases of doubt obtain instructions from Architect before proceeding.

**HARDWARE:** Before commencing work carefully remove all the following hardware, fixtures and fittings, set aside where they can not be damaged or misplaced and replace on completion.

Do not paint hinges; Grab Rails; Mirrors

**PROTECTION:** Supply, lay and fix all drop sheets, coverings and masking necessary to protect adjoining, fixtures, fittings and spaces from paint drops, spots, spray and damage.

Any that occurs to be made good at applicators' expense.

## **PREPARATORY WORK**

**OFF SITE WORK:** All off site preparation and coating to be carried out under cover, in a suitable environment with adequate lighting.

Store all items, both before and after coating, in a clean, dry area protected from the weather and mechanical damage, properly stacked and spaced to permit air circulation and prevent sticking of surfaces.

**PRIMING JOINERY:** Before priming preservative treated timber ensure that any cut surfaces have been retreated.

Liberally coat all end grain, allow to soak in and then recoat.

**CONCEALED JOINERY SURFACES:** Where off-size coatings specified they must be applied to all surfaces including those concealed when incorporated into the building.

**CONCEALED METAL SURFACES:** Apply primer to suit coating system to all surfaces concealed when incorporated into the building.

**EXTERNAL DOORS:** Prime and paint bottom edges before hanging.

**BEAD GLAZING:** Joinery to be stained/varnished/painted to have the first two coats/the primer and one undercoat applied to rebates and beads before glazing.

## **PREPARATION WORK**

**PUTTY GLAZING:** Allow putty to set for 7 days then, within a further 14 days seal with a solvent based primer. Ensure that putty is fully protected by coating system as soon as it is sufficiently hard.

## **APPLICATION**

**PAINTING GENERALLY:** Comply with NZS 7703 and additional requirements in this specification.

**MIXING:** Although generally supplied ready-mixed all paints to be thoroughly mixed. Lifting settled pigment and boxing if layered.

**ENVIRONMENT:** Defer painting of exterior surfaces until weather conditions are favourable – warm dry days without frost or heavy dews. Avoid painting surfaces that absorb heat excessively when in direct sunlight.

Apply paint in the temperature range 15 C to 25 C as far as possible.

If temperatures are outside the 10 C and 35 C range do not paint unless paints with the necessary temperature tolerance have been specified.

Do not apply solvent borne paint if moisture is present on the surface.

**SEQUENCE OF OPERATIONS:** Complete all surface preparation before commencing painting.

Apply paint in the specified sequence using the specified paint.

Allow full drying time between coats to manufacturers` recommendations.

Do not expose primers, undercoats and intermediate coats beyond a few days before applying the next coat.

Finish broad areas before painting trim.

Ensure batch numbers of tins are matched for whole areas.

Internally, paint ceilings before walls and walls before joinery, trim and other items.

**PAINT APPLICATION:** Select brush/roller and apply paint to the recommendations of the manufacturer, NZS 7703 and to obtain a smooth even coating of correct thickness, uniform gloss and colour.

**DRYING TIME:** Before handling or applying the next coat of paint, give each coat the full drying time recommended by the manufacturer. Ensure that all surfaces are dry and condensation does not occur before the paint reaches surface-dry condition.

**SCUFF:** all intermediate coats, primer and undercoat, to remove dust pick-up, protruding fibres and coarse particles and complete by brushing to remove all resulting dust.

**DEFECTIVE WORK:** Correct all defective work immediately and re-coat as required following precisely the paint system specified.

**EACH COAT** of paint and the completed paint system to have the following qualities and properties:

- uniform finish, colour, texture, sheen and hiding power and the proper number of coats applied.
- no blemishes such as runs, sags, crinkling, fat edges, entrained paint skins, hairs, dust, bare or starved patches, cracks, brush marks, ladder marks and blistering.
- Proper covering of corners, crannies, thin edges, cracks, end grain and other difficult places of application.

**COMPLETION**

LEAVE the whole of this work uniform in gloss and colour, of correct thickness, free from all painting defects and clean and unmarked.

REMOVE ALL drop sheets, coverings and masking to leave surrounding surfaces and areas clean, tidy and undamaged.