1.00 GENERAL

This specification shall be read in conjunction with the specification GIB3 AR SP 100 and the Preliminaries and General Conditions.

Specification GIB3 AR SP 100 provides a set of requirements which are common to all specifications and shall therefore apply to all aspects of the work contained within this document.

1.01 INTRODUCTION

The criteria set out in this specification are applicable to the procurement, delivery and installation of the complete painting and decorating.

1.02 DEFINITIONS

CA:
Where the word ‘CA’ is used in this document, it shall be taken to mean the ‘Contract Administrator or the Contract Administrator’s Representative’.

CONTRACTOR:
Where the word ‘Contractor’ is used in this document, it shall be taken to mean the ‘Painting and Decorating Contractor’ except where another Contractor such as ‘Principal Contractor’ is mentioned.

2.00 NBS SPECIFICATION CLAUSES

M52 Decorative Papers/Fabrics
M60 Painting/clear finishing
To be read with Preliminaries/ General Conditions.

**TYPES OF COVERING**

110 WALLCOVERINGS

- Substrate: Existing and new plasterboard partitions.
  - Treatment: Size/ sealer.
- Adhesive: As covering manufacturer's recommendations for substrate.
- Lining: Not required.
  - Manufacturer: Vescom.
  - Product reference: Montalin.
  - Colour/ pattern: 2610.96.
  - Roll width: 137cm.

**GENERALLY**

220 SAMPLES

- General: Submit a representative sample of each type of covering before placing orders.
  - Size (minimum): Roll width x 1000mm.

225 MARKING

- Requirement: In accordance with BS EN 266-4, wallcoverings must state the following on each roll:
  - Supplier.
  - Product description.
  - Pattern/ batch number.
  - Grade of colour fastness to light.
  - Means of application.
  - Type of adhesive to be used.

230 EXTRA MATERIAL

- General: Provide extra coverings in clearly identified complete rolls/ lengths as follows: All covering types: 5% extra.
- Ordering: At same time as installed material. Hand over to Employer at completion or when otherwise agreed.

241 ENVIRONMENT

- Conditions: During hanging and drying of linings/ coverings, maintain working area ambient temperature and humidity levels approximate to those proposed in service.

251 CONDITIONING

- General: Unwrap coverings and allow to acclimatize in working area as follows: All covering types: 48 hours or the minimum recommended by the manufacturer.

**PREPARATION**

310 PREPARATION GENERALLY

- Preparation materials: Types recommended by their manufacturers and covering manufacturer for situation and substrate being prepared.
- Substrates: Sufficiently dry in depth to suit covering to be hung.
- Efflorescence salts: Remove.
• Dirt, grease and oil: Remove. Give notice if contamination of substrates has occurred.
• Substrate irregularities: Fill cracks, joints, holes and other depressions with stoppers/fillers. Work well in and finish off flush with surface. Abrade to a smooth finish.
• Dust, particles and residues from abrasion: Remove.

330A FIXTURES AND FITTINGS
• Before commencing work: The Principal contractor shall remove the following: Coverplates, grilles, wall lights and other surface mounted fixtures.
• On completion of work: The Principal contractor shall refix when coverings are dry.

340 COATED SUBSTRATES
• Removing coatings: Do not damage substrate and adjacent surfaces or adversely affect subsequent coverings.
• Loose, flaking or otherwise defective areas: Carefully remove to a firm edge.
• Water soluble coatings: Completely remove.
• Significant rot, corrosion or other degradation of substrates: If revealed, give notice.
• Retained coatings:
  - Thoroughly clean to remove dirt, grease and contaminants.
  - Lead based coatings: If discovered, give notice.
  - Abrade gloss coated substrates to provide a key.
  - Carry out tests for compatibility with adhesives.

350 PAPER/ FABRIC COVERED SUBSTRATES
• Existing coverings: Remove by wet or dry stripping.
• Old adhesive and size: Remove by washing.
• Significant loose or damaged plaster or other degradation of substrates: If revealed, give notice.

360 VINYL COVERED SUBSTRATES
• Existing covering: Remove peelable vinyl surface.
• Paper base to vinyl: May be retained as a lining if in good condition and firmly adhering. Stick down lifting edges and corners.

370 ORGANIC GROWTHS
• Loose growths and infected coatings/decorations: Scrape off and remove.
• Treatment biocide: Apply appropriate solution to growth areas and surrounding surfaces.
• Dead growth: Scrape off and remove.
• Residual effect biocide: Apply appropriate solution to inhibit re-establishment of growths.
• Biocides: Types listed in current Health and Safety Executive (HSE) 'Pesticides', Part C, as surface biocides.

380 SIZE/ SEALER
• Absorbent substrates: Apply one coat of a dilute solution of adhesive where recommended by covering manufacturer.

HANGING

420 HANGING GENERALLY
• Coatings on adjacent surfaces:
  - Complete and dry before commencement of hanging coverings.
  - Efflorescence salts: Ensure no recurrence.
• Sequence of hanging coverings:
  - Apply to ceilings before walls.
  - Commence adjacent to main source of natural light.
- From centre of feature and isolated walls.
- Surplus adhesive: Carefully remove from face of coverings, adjacent surfaces and fittings whilst still wet.
- Completed coverings: Securely adhered, smooth and free of air bubbles, wrinkles, gaps, tears, adhesive marks and stains. Joints truly vertical/ horizontal and straight.

450A  SETTING OUT
- Approval of setting out: Obtain before commencement of hanging coverings.

490  COVERINGS
- Selvedged coverings: Trim to a true straight edge before hanging, unless overlap joints are recommended by manufacturer.
- Hanging lengths:
  - Wall coverings: Vertical.
  - Ceiling coverings: Parallel to main window wall.
- Metallic foil/ fabric coverings: Isolate from electrical contact.

500  JOINTS IN COVERINGS
- Butt joints: Hang lengths with neat butt joints generally.
- Overlap joints: Hang lengths with neat overlap joints only where recommended by covering manufacturer. Cut through joints when stable to a true straight edge, without damaging substrate, and bond joints.
- Cross joints: Hang lengths in one piece generally. Cross joints are only permitted where single lengths are impractical.

520  SHADING
- Matching: Ensure colour consistency of adjacent lengths.
- Hanging lengths: Use in sequence as cut from roll.
- Alternate lengths: Do not reverse unless recommended by covering manufacturer.
- Shade variation: Check after hanging first three lengths. If variation occurs, give notice before proceeding.

530  PATTERN
- Patterned coverings: Accurately align and match.
- Mismatches: Anticipate and obtain approval for locations.

END OF SECTION M52 DECORATIVE PAPERS/FABRICS
To be read with Preliminaries/General Conditions.

COATING SYSTEMS

105  GENERAL

• Attention is drawn to the requirements of the Health and Safety Plan which is contained elsewhere in the Contract Documents.

• The coatings used shall be free of hazardous materials or solvents. No undertaking is given that the products named in this specification comply with this requirement. The Contractor shall establish the constituents of each and every coating product which he proposes to use and shall provide a method statement for their application.

• The Contractor shall establish the constituents of each and every coating product which he proposes to use and provide evidence in each case, from an independent testing body, that the coating product is free of noxious materials or solvents.

• The Contractor shall comply with any health and safety recommendations which are set down by the coating manufacturers in their instructions for the application or curing of the coating products.

• The Contractor shall provide a method statement for the application of any coating products requiring special application and/or curing requirements, including the ventilation rate, for inclusion in the Main Contractor’s construction phase Health and Safety Plan before any work is started on site.

• Please note that any prefinished item eg. door ironmongery, fitted to elements to be decorated shall be removed prior to the decoration commencing and shall be refitted when the decoration is complete.

110  MATT EMULSION PAINT TO NEW PLASTERBOARD WALLS AND CEILINGS

• Manufacturer: ICI Dulux.
  – Product reference: Ecosure Matt to match existing.

• Surfaces: New plasterboard walls and ceilings.
  – Preparation: As clauses 400 to 590 and the paint manufacturer’s recommendations.

• Initial coats: Ecosure Matt thinned in accordance with the manufacturer’s recommendations.
  – Number of coats: One.

• Finishing coats: Ecosure Matt to match existing.
  – Number of coats: Minimum of two full coats if brushed, three if rollered, in a thickness to give an even, solid finish without the substrate shining through. (If the Contractor wishes to use spray application he shall demonstrate the number of coats necessary to match the agreed control sample of brush and roller applied vinyl emulsion paint. Spray application shall not be used without the prior written agreement of the Principal Contractor).
  – Colour: RAL 9010 for ceilings and BS 00 E 55 for walls to match existing.

110A EMULSION PAINT TO EXISTING PREVIOUSLY COATED PLASTERBOARD WALLS AND CEILINGS

• Manufacturer: ICI Dulux.
  – Product reference: Ecosure Matt to match existing.

• Surfaces: New plasterboard walls and ceilings.
  – Preparation: As clauses 400 to 590 and the paint manufacturer’s recommendations.

• Initial coats: None.
  – Number of coats: N/A.

• Finishing coats: Ecosure Matt to match existing.
  – Number of coats: Minimum of one full coat if brushed, two if rollered, in a thickness to give an even, solid finish without the substrate shining through. (If the Contractor wishes to use spray application he shall demonstrate the number of coats necessary to match the agreed control sample of brush and roller applied vinyl emulsion paint. Spray application shall not be used without the prior written agreement of the Principal Contractor).
  – Colour: RAL 9010 for ceilings and BS 00 E 55 for walls to match existing.

150  EGGSHELL PAINT TO UNCOATED TIMBER

• Manufacturer: ICI Dulux.
  – Product reference: Ecosure Eggshell to match existing.
• Surfaces: Uncoated timber. Skirtings.
  – Preparation: As clauses 400 - 590 and the paint manufacturer's recommendations. Preparation shall include filling of any holes and rubbing down as necessary to achieve a smooth finish.
• Initial coats: Dulux primer.
  – Number of coats: One.
• Undercoats: As recommended by manufacturer.
  – Number of coats: As recommended by manufacturer
• Finishing coats: Ecosure Eggshell to match existing.
  – Number of coats: Two top coats, carefully rubbed down between applications.
  – Colour: BS 00 55 E (White) to match existing.

150A EGGSHELL TO PREVIOUSLY COATED TIMBER
• Manufacturer: ICI Dulux.
  – Product reference: Ecosure Eggshell to match existing.
• Surfaces: Previously coated timber. Doors, frames, architraves and skirtings.
  – Preparation: As clauses 400 - 590 and the paint manufacturer's recommendations. Preparation shall include filling of any holes and rubbing down as necessary to achieve a smooth finish.
• Initial coats: Dulux primer.
  – Number of coats: One.
• Undercoats: As recommended by manufacturer.
  – Number of coats: As recommended by manufacturer
• Finishing coats: Ecosure Eggshell to match existing.
  – Number of coats: Two top coats, carefully rubbed down between applications.
  – Colour: BS 00 55 E (White) to match existing.

GENERALLY

210 COATING MATERIALS
• Manufacturers: Obtain materials from:-
  – ICI Dulux

215 HANDLING AND STORAGE
• Coating materials: Deliver in sealed containers, labelled clearly with brand name, type of material and manufacturer's batch number.
• Materials from more than one batch: Store separately. Allocate to distinct parts or areas of the work.

220A COMPATIBILITY
• Coating materials:
  – Recommended by their manufacturers for the particular surface and conditions of exposure.
  – Compatible with each other.
  – Compatible with and not inhibiting performance of preservative/fire retardant pretreatments.
  – Inform the CA of any discrepancy in specification of coatings and obtain instructions before proceeding with application.

240 SURFACES NOT TO BE COATED
• Clear finished joinery items installed by others
• Mechanical and electrical services equipment and fittings
• Metal suspended ceilings except where noted on the Finishes Schedule/drawings
• Aluminium curtain walling and windows
• Any other pre-finished items

280 PROTECTION
• 'Wet paint' signs and barriers: Provide where necessary to protect other operatives and general public, and to prevent damage to freshly applied coatings.

290 TESTING OF VISCOSITY, ETC: The Principal Contractor and the CA may, with discretion, take samples of materials from each manufacturing batch as follows:

• Unopened containers, or samples from previously unopened containers, for submission to manufacturer for comparison with manufacturer’s own retained samples from the same batch.
• Unopened containers, or samples from previously unopened containers, as a control sample for assessment of samples taken from painters’ kettles.
• Samples from painters’ kettles for submission with control sample to manufacturer and/or independent testing laboratory for comparative testing.

300 CONTROL SAMPLES

• Sample areas of finished work: Carry out, including preparation, as follows:

<table>
<thead>
<tr>
<th>Types of coating</th>
<th>Nature of sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>M60/110 MATT EMULSION PAINT</td>
<td>3.0m x 3.0m sample on plasterboard wall</td>
</tr>
<tr>
<td>M60/110A MATT EMULSION PAINT</td>
<td>3.0m x 3.0m sample on plasterboard wall</td>
</tr>
<tr>
<td>M60/150 EGGSHELL PAINT</td>
<td>One full length of skirting</td>
</tr>
<tr>
<td>M60/150A EGGSHELL PAINT</td>
<td>One full length of skirting</td>
</tr>
</tbody>
</table>

• Approval of appearance: Obtain before commencement of general coating work.

320 INSPECTION BY COATING MANUFACTURERS

• General: Permit manufacturers to inspect work in progress and take samples of their materials from site if requested.

321 INSPECTION OF WORK STAGES

• Programme for inspections: Submit as follows:

<table>
<thead>
<tr>
<th>Types of coating</th>
<th>Inspection at completion of</th>
</tr>
</thead>
<tbody>
<tr>
<td>M60/110 MATT EMULSION PAINT</td>
<td>first coat full coat</td>
</tr>
<tr>
<td>M60/110A MATT EMULSION PAINT</td>
<td>first coat full coat</td>
</tr>
<tr>
<td>M60/150 EGGSHELL PAINT</td>
<td>first full coat</td>
</tr>
<tr>
<td>M60/150A EGGSHELL PAINT</td>
<td>first coat full coat</td>
</tr>
</tbody>
</table>

• Inspection: Give prior notice when each stage is ready for inspection.

PREPARATION

400 PREPARATION GENERALLY

• Standard: In accordance with BS 6150.
• Suspected existing hazardous materials: Prepare risk assessments and method statements covering operations, disposal of waste, containment and reoccupation, and obtain approval before commencing work.
• Preparation materials: Types recommended by their manufacturers and the coating manufacturer for the situation and surfaces being prepared.
• Substrates: Sufficiently dry in depth to suit coating.
• Efflorescence salts: Remove.
• Dirt, grease and oil: Remove. Give notice if contamination of surfaces/substrates has occurred.
• Surface irregularities: Remove.
• Joints, cracks, holes and other depressions: Fill flush with surface, to provide smooth finish.
• Dust, particles and residues from preparation: Remove and dispose of safely.
• Water based stoppers and fillers:
  - Apply before priming unless recommended otherwise by manufacturer.
  - If applied after priming; Patch prime.
• Oil based stoppers and fillers: Apply after priming.
• Doors, opening windows and other moving parts:
  - Ease, if necessary, before coating.
- Prime resulting bare areas.

**420** FIXTURES AND FITTINGS
- Removal: Before commencing work remove: Coverplates, grilles and other surface mounted fixtures.
- Replacement: Refurbish as necessary, refit when coating is dry.

**425** IRONMONGERY
- Removal: Before commencing work: Remove ironmongery from surfaces to be coated.
- Hinges: Do not remove.
- Replacement: Refurbishment as necessary; refit when coating is dry.

**471** PREPRIMED WOOD
- Areas of defective primer: Abrade back to bare wood and reprime.

**481** UNCOATED WOOD
- General: Abrade to a smooth, even finish with arrises and moulding edges lightly rounded or eased.
- Heads of fasteners: Countersink sufficient to hold stoppers/fillers.
- Resinous areas and knots: Apply two coats of knotting.

**590** UNCOATED PLASTERBOARD
- Depressions around fixings: Fill with stoppers/ fillers

**APPLICATION**

**711** COATING GENERALLY
- Application standard: To BS 6150, Section 5.
- Conditions: Maintain suitable temperature, humidity and air quality during application and drying.
- Surfaces: Clean and dry at time of application.
- Thinning and intermixing of coatings: Not permitted unless recommended by manufacturer.
- Overpainting: Do not paint over intumescent strips or silicone mastics.
- Priming coats:
  - Thickness: To suit surface porosity.
  - Application: As soon as possible on same day as preparation is completed.
- Finish:
  - Even, smooth and of uniform colour.
  - Free from brush marks, sags, runs and other defects.
  - Cut in neatly.
- Doors, opening windows and other moving parts: Ease before coating and between coats.

**720** PRIMING JOINERY
- Preservative treated timber: Retreat cut surfaces with two flood coats of a suitable preservative before priming.
- End grain: Coat liberally allow to soak in, and recoat.

**730** WORKSHOP COATING OF CONCEALED JOINERY SURFACES
- General: Apply coatings to all surfaces of components.

**780** BEAD GLAZING TO COATED WOOD
- Before glazing: Apply first two coats to rebates and beads.

**800** GLAZING
- Etched, sand blasted and ground glass: Treat or mask edges before coating to protect from contamination by oily constituents of coating materials.

END OF SECTION M60 PAINTING/CLEAR FINISHING
RECORD OF ISSUE

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