

Benoy

Victoria Square, Woking

Job No: 3540

Document Title: Painting/ Clear finishing (For MC and D&B Packages)

Document Ref: BNY-SA-99-XX-A-M60

- Revision: F04
- Status: For Construction
- Date: 15/10/19

REVISIONS				
Rev No.	Date	Revision	Drawn by	Checked
F00	06.09.19	For Construction	MM	VC
F01	12.09.19	As noted overleaf for DCC Tender	GR	JT
F02	15.10.19	Bandstand Mall Tender	NF	JT
F03	29.11.19	For Hotel Construction	EL	CP
F04	10.01.20	For Construction Update to Emulsion paint to Durable Flatt Matt	RL	RL

M60
Painting/clear finishing
Revision F04

Section Revision History

No.	Purpose	
E00	FOR CO-ORDINATION	23rd Oct 2017
E01	M60/171 added	14th Nov 2017
E02	FOR TENDER	15th Nov 2018
E03	FOR TENDER - JOINERY PACKAGES	19th Feb 2019
E04	FOR TENDER	4th Mar 2019
E05	FOR TENDER	29th May 2019
E06	FOR TENDER	14th Jun 2019
E07	FOR TENDER	12th Aug 2019
F00	FOR CONSTRUCTION	5th Sep 2019
F01	For District Cooling Centre Tender	12th Sep 2019
F02	For Bandstand Mall Tender	15th Oct 2019
F03	For Hotel Door Construction	27th Nov 2019
F04	Update of Emulsion paint to Durable Flatt Matt	10th Jan 2020

Clauses amended in Revision F04

No.	Clause	
110	EMULSION PAINT	Revised
112A	EMULSION PAINT	Revised

M60 Painting/clear finishing

To be read with Preliminaries/General conditions.

50 SCOPE

- Design, supply and apply the following:
Painting and clear finishing for D&B & MC package. Design scope for D&B package finishes only.
- Coordinate with:
MANAGEMENT CONTRACT
- BENOY SERIES 10 GENERAL DETAILS
- BENOY SERIES 30 GENERAL INTERNAL DETAILS - T1, T2 & MA
- BENOY SERIES 70 GENERAL PERMANENT FITTINGS - T1, T2, APT & MA
- BENOY FINISHES SCHEDULE BNY-PA-40-AL01
- BENOY FINISHES SCHEDULE BNY-APT-40-AL01
- BENOY RESIDENTIAL DOOR SCHEDULES BNY-T1-(32)-SC15 & BNY-T2-(32)-SC16 .

55 SELECT FROM THE FOLLOWING

- Manufacturers: Refer to Interior Finishes Schedules BNY-PA-(40)-AL01 & BNY-APT-(40)-AL01.

Dulux Trade Or equal approved.

AkzoNobel

Wexham Road

Slough

Berkshire

SL2 5DS

Tel: 0333 222 70 70

Email: duluxtrade.advice@akzonobel.com

Vercoll S.P.A Or equal approved

Via dell'Artigianato, 5/4

31040 Salgareda (TV)

Italy

Tel:+39 0422 804164

Fax +39 0422 804224

Email: info@vercoll.com

Rawlins Paints Or equal approved

North Speed House,

Moor View,

Leeds

LS11 9NF

Tel: 0133 245 5450

Keim Mineral Paints Ltd, Or equal approved

Santok Building, Deer Park Way,

Donnington Wood, Telford,

Shropshire

TF2 7NA

Tel: 01952 231250

Watco Or equal approved

Watco House

Filmer Grove

Godalming

GU7 3AL

Tel: 01483 418 418

Fax: 01483 428 888

sales@watco.co.uk

Morrells Or equal approved

Wellington Works,

Mill Lane,

Woodley

Stockport,

Cheshire

SK6 1RN

Colorificio B.B.M.

Via Visan, 40

36034 S. Tomio di Malo
(VICENZA)
Italy
Tel. 0445.588044
Fax. 0445.602842
Email: bbm@colorificiobbm.com

98 GENERAL PERFORMANCE REQUIREMENTS

- As section Z99.

COATING SYSTEMS

- 110 EMULSION PAINT DULUX TRADE FLATT MATT PAINT TO PLASTER AND/OR PLASTERBOARD WALLS & CEILINGS As Interior Finishes Schedules BNY-APT-(40)-AL01
- Manufacturer: As Interior Finishes Schedule BNY-APT-(40)-AL01 - DULUX TRADE .
 - Product reference: As Interior Finishes Schedule BNY-APT-(40)-AL01 - DURABLE TRADE FLATT MATT WALL PAINT.
 - Surfaces: Plasterboard Partitions & Ceilings as section K10.
 - Preparation: Tape and fill joints .
 - Initial coats: As recommended by manufacturer - Mist Coat as clause 580A .
 - Number of coats: 1 .
 - Undercoats: As recommended by manufacturer .
 - Number of coats: 1 .
 - Finishing coats: Washable durable flatt matt .
 - Number of coats: 2 .
- 110A EMULSION PAINT - INTERNAL SUB STATION WALLS VINYL MATT PAINT TO BRICKWORK WALLS RAL 9010
- Manufacturer: DULUX TRADE .
 - Product reference: VINYL MATT.
 - Surfaces: Brickwork as section F10.
 - Preparation: Wash down surfaces .
 - Initial coats: As recommended by manufacturer - Thin down by 15% the paint for the first sealant coat .
 - Number of coats: 1 .
 - Undercoats: As recommended by manufacturer .
 - Number of coats: 0 .
 - Finishing coats: Washable matt vinyl .
 - Number of coats: 2 .
- 110B EMULSION PAINT VINYL MATT EMULSION PAINT TO GRG CEILING TO BANDSTAND MALL AS NOTED ON DRAWING No: BNY-BM(45)0090
- Manufacturer: As noted above in Clause 55.
 - Product reference: From the chosen manufacturer's standard Colour Range.
 - Surfaces: GRG ceiling as NBS Section M31.
 - Preparation: Tape and fill joints .
 - Initial coats: As recommended by manufacturer in NBS Section M31 Clause 255 .
 - Number of coats: One .
 - Undercoats: Mist coat as recommended by manufacturer in NBS Section M31 Clause 255 .
 - Number of coats: One .
 - Finishing coats: Full coats as recommended by manufacturer in NBS Section M31 Clause 255 .
 - Number of coats: Two .

111 CHLORINATED RUBBER ROAD MARKINGS[Car Park Surfaces]

- Manufacturer:
Rawlins <https://www.rawlinspaints.com/home/> Or equal approved.
 - Product reference: Cataphos Traffic paint.
 - Colour: Various from standard range.
- Surfaces: Concrete / Asphalt.
 - Preparation: clean, dry and free from grease. Remove loose material.
- Primer application: Uniform, with no streaks or ragged edges.
- Initial coats:
 - Type: To manufacturers recommendations .
 - Number of coats: To manufacturers recommendations .
- Finishing coats:
 - Type: To manufacturers recommendations .
 - Type: To manufacturers recommendations .
 - Number of coats: To manufacturers recommendations

111A MINERAL PAINTS CAR PARK SOFFITS AND COLUMNS (D&B PACKAGE)

Manufacturer: Keim Mineral Paints Limited, Or equal approved.

- Product reference: KEIM CONCRETAL SYSTEM.
- Surfaces: concrete.
 - Preparation:
Keim Spachtel
Silicate based paste filler for all mineral substrates. Any cracks or where there is a need to equalise the surface should be filled using Keim Spachtel, brush or trowel applied to a pre-wetted surface and dressed back to the required level.
Any new concrete/repairs areas must be allowed to dry out for a minimum period of 15 days prior to the application of Keim Mineral Paints. Areas to be decorated should be free from all surface contaminants, sound, dry and dust free. For newly rendered surfaces a period of at least 15 days is allowed following rendering, prior to the application of paint.
All surfaces must be thoroughly washed down with clean cold water to remove all surface dirt and dust. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using Keim Mineral Paints may proceed.
Keim Concretal Dilution
If necessary highly absorbent or friable surfaces should be treated with Keim Concretal Dilution, a liquid silicate binder, brush applied and left for a minimum period of 12 hours.
- Initial coats:
 - Type: first coat a mineral matt finish silicate based paint system which offers carbonation resistance, diluted 20% by weight with Keim Concretal Dilution, a liquid silicate binder. Apply by brush, roller or spray and work well into all surfaces..
Finishing coat(s): After a minimum period of 12 hours apply a final coat of mineral matt finish silicate based paint system which offers carbonation resistance. Apply by brush, roller or spray and work well into all surfaces, undiluted.
 - Number of coats: 2.
- Finishing coats:
 - Type: colourfastness, high reflectivity and resistance to mould and fungal growth and resistance to the carbonation of concrete.
 - Type: -
 - Number of coats: 2

- 111B RESIN FLOOR MARKINGS [TO CAR PARKING DECKS] (D&B PACKAGE)
- Manufacturer: [Flowcrete UK Ltd, Flowcrete Business Park, Booth Lane, Moston, Sandbach, CW11 3QF. Telephone: 01270 753753. Fax: 01270 753333. E-mail: help@flowcrete.co.uk. Web: www.flowcrete.com.].
 - Product reference: [Primer reference: Deckshield SF. Fully blind with 0.4 to 1.2mm quartz aggregate, broadcast into wet Deckshield SF primer. Resin flooring reference: Deckshield Intermediate Deck].
 - Surfaces: [Insitu concrete or Asphalte].
 - Preparation: [-Chases/ Saw cuts: Cut/ break out at skirtings, free edges, movement joints, etc. for termination of resin flooring.
 - Blow holes, cavities, cracks, etc: Fill with repair product recommended by resin flooring manufacturer.
 - Cleanliness: Remove surface contaminants, debris, dirt and dust.
 - Texture of surface: Suitable to accept resin flooring and achieve a full bond over the complete area.] . Free from sudden irregularities. Maximum permissible deviation when measured as 5 mm, measure from underside of a 2 m straightedge placed anywhere on the surface using a slip gauge to BS 8204-1. Deep hollows or indents in the base to be made good prior to application of the Deckshield system. Construction joints in the base, cracks, next to expansion joints, termination grooves, gullies, penetrations etc, and corners are to be banded with Deckshield elastomeric membrane.
 - Preparation of substrates:
 - a: MOISTURE CONTENT OF SUBSTRATES: Drying aids: Before testing, turn off and wait at least four days.
 - Test for moisture content: To BS 8203, Appendix A using an accurately calibrated hygrometer. Take readings in corners, along edges, and at various points over the area being tested.
 - b: SURFACE HARDNESS OF SUBSTRATES: General: Substrates must restrain stresses that occur during setting and hardening of resin. Test for surface hardness: To BS EN 12504-2 using a rebound hammer. Report: Submit: Details of areas where substrate hardness values do not comply with the resin flooring manufacturer's requirements. Proposals for repair or cut out and replacement.
 - WORKMANSHIP: Operatives: Trained/ experienced in the application of resin floorings. Submit evidence of training/ experience on request. Fillers and incorporated aggregates: Thoroughly mix in to ensure wetting. Avoid over-vigorous mixing resulting in excessive air entrainment. Scattered aggregates: Broadcast onto wet surface of resin to give consistent appearance. Curing: Allow appropriate periods between coats, before surface treatments, and before trafficking/ use.
 - CONTROL SAMPLES: General: Complete areas of finished work in the following locations and obtain approval of appearance before proceeding: all car park areas.
 - PRIMING: Application: Spread primer evenly to completely wet, penetrate and seal substrates.
 - REINFORCEMENT: Fabric: Lay glass fibre or similar as local reinforcement to resin flooring. Overlap at joints: Not less than 50 mm. Bedding: Roll into preliminary thin layer of resin flooring.
 - RESIN FLOORING: Application: Spread coats evenly with uniform thickness, surface finish and colour.
 - SURFACE SEALING: Application: Spread sealer evenly to completely wet resin surface.
 - ADHESION OF RESIN FLOORING: Bond strength between substrate and fully cured resin flooring: In accordance with manufacturer's performance data. Test for bond strength: To BS 8204-6, clause 11.4 and BS EN 1542.
 - RESIN SKIRTINGS/ UPSTANDS: General: Use a vertical grade of resin for skirting/ upstand. Form radius cove. Tuck top edge of resin into a chase in the skirting/ upstand or retain with a stop bead. Transition with resin flooring: Smooth with resin fillet to corner.
 - FREE EDGES OF RESIN FLOORING: General: Form a straight, smooth transition to

abutting floor finishes. Retention of resin edges: Saw cut in slab.

- SEALANT MOVEMENT JOINTS
 - General: Position over movement joints in substrate.
 - Preparation and application: As section Z22.
 - Retention of resin edges: Saw cut in slab.
 - Joint width: as per structural engineers spec and drawings
 - Colour: to match
- STRIP MOVEMENT JOINTS
 - General: Position over movement joints in substrate.
 - Retention of resin edges: Saw cut in slab.
 - Joint width: as per structural engineers drawings and spec.
- Finishing coats:
Nominal thickness: 1.3 mm

112A EMULSION PAINT PLASTER AND OR PLASTERBOARD RESIDENTIAL T1 & T2 AMENITY, CONCIERGE SPACE AND COMMUNAL CORRIDORS

- Manufacturer: DULUX Or equal approved.
 - Product reference: Dulux Trade Durable Flatt Matt.
- Surfaces: New skim plaster/ plasterboard.
 - Preparation: As clause 400 to 590 to suit substrate and as manufacturer's recommendation .
- Initial coats: As recommended by manufacturer .
- - Number of coats: As recommended by manufacturer .
- Finishing coats: Washable durable flatt matt .
 - Colour: As per Interiors Finishes Schedules BNY-PA-(40)-AL01 and Hilton/Gensler areas - Colour: RAL 7035.
 - Number of coats: 2 full coats as per manufacturer's recommendations. .

115A ANTI DUST SEALER TO POWER FLOATED CONCRETE SLABS

- Manufacturer: Watco Or equal approved.
 - Product reference: WATCO POWERFLOAT SEALER - Two pack epoxy resin supplied as a 5 litre unit.
- Surfaces: Powerfloated or very smooth concrete.
 - Preparation: As clause 400 to 590 to suit substrate and as manufacturer's recommendation .
- Initial coats: As recommended by manufacturer .
- - Number of coats: As recommended by manufacturer .
- Finishing coats: As manufacturer's recommendation .
 - Colour: Clear - Finish: Matt Anti Slip.
 - Number of coats: 1 coat is generally sufficient. However, two coats may be necessary on a porous ground .

115B ANTI DUST SEALER TO BLOCKWORK WALLS

- Manufacturer: Watco Or equal approved.
 - Product reference: WATCO WALLSEAL.
- Surfaces: Blockwork.
 - Preparation: As clause 400 to 590 to suit substrate and as manufacturer's recommendation .
- Initial coats: As recommended by manufacturer - no primer required .
- - Number of coats: As recommended by manufacturer .
- Finishing coats: As manufacturer's recommendation .
 - Colour: Clear - Finish: Satin.
 - Number of coats: One coat will generally bind and seal most surfaces. A second coat is usually required to produce a sheen, especially on porous surfaces. The sheen level can be increased by applying further coats as required .

135A SATIN PAINT - SOLVENT BORNE EXTERNAL METAL SURFACES - RESIDENTIAL
SECOND MOE EXTERNAL STAIRS 14 & 15 (D&B PACKAGE)

- Manufacturer: As clause 210 - Dulux or equal approved .
 - Product reference: Dulux Trade Metalshield Satin .
- Surfaces: New mild steel .
 - Preparation: As clause 400, 417 and 481 to suit substrate and manufacturer's recommendation. Where necessary or specified, surfaces should be blast cleaned to BS 7079 Part A1: 1989. Sa 2.5 to give an appropriate surface profile. To get the best results, ensure surfaces to be painted are sound, clean and dry (new surfaces particularly must be fully dry) and free from grease, wax and oil. Use a suitable oil and grease remover to clean the surface if necessary .
- Initial coats: Bright new galvanized steel surfaces must be pretreated with Dulux Trade Mordant Solution prior to application of the primer - Dulux Trade Metalshield Zinc Phosphate .
 - Number of coats: As recommended by manufacturer .
- Undercoats: As recommended by manufacturer - Solvent borne primer to new mild steel - Dulux Trade Metalshield Zinc Phosphate .
 - Number of coats: As recommended by manufacturer - 1 coat 50-65 microns dry. 115 - 150 microns wet .
- Finishing coats: Solvent borne Satin Finish.
 - Colour: RAL 7013 Brown Grey .
 - Number of coats: 2 Full coats - Wet: 80 microns & Dry: 40 microns
- Other Requirements: Meets Regulation(EC) No. 1272/2008 (CLP) Type 1. Must not exceed Classification Type 1.

150A SATINWOOD TIMBER PAINT - INTERIOR - WATER BASED .

- Manufacturer: As Interior Finishes Schedule BNY-PA-40-AL01 & BNY-APT-40-AL01 - DULUX TRADE .
 - Product reference: As Interior Finishes Schedule BNY-PA-40-AL01 & BNY-APT-40-AL01 - QUICK DRY SATINWOOD .
- Surfaces: Various: timber doors, door Frames, skirtings as clauses L20, N10 and P20 .
 - Preparation: As clause 400 to 590 to suit substrates and as manufacturer's recommendation. Treat knots with an appropriate knotting solution.
Any surface defects should be filled with the appropriated Polycell Trade Polyfilla .
- Initial coats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
- Undercoats: Dulux Trade Quick Dry Undercoat .
 - Number of coats: Apply 1 or 2 coats as required .
- Finishing coats: Satin
 - Colours from manufacturer's standard range - to As Interior Finishes Schedules BNY-PA-40-AL01 & BNY-APT-40-AL01. 1 full coat of Dulux Trade Quick Dry Satinwood. .
 - Number of coats: 1 full coats, 35 microns .

151 SATIN METAL PAINT TO INTERNAL HANDRAILS/ BALUSTRADE ESCAPE STAIRS - ALL STAIRS - HILTON/GENSLER REQUIREMENTS .(D&B PACKAGE)

- Manufacturer: DULUX TRADE as clause 210 .
 - Product reference: Dulux Trade Metalshield Zinc Phosphate Primer and Dulux Metalshield Satin .
- Surfaces: (Mild Steel) .
 - Preparation: As clause 400 to 590 to suit substrates and as manufacturer's recommendation. Where necessary or specified, surfaces should be blast cleaned to BS 7079 Part A1: 1989. Sa 2.5 to give an appropriate surface profile. To get the best results, ensure surfaces to be painted are sound, clean and dry (new surfaces particularly must be fully dry) and free from grease, wax and oil. Use a suitable oil and grease remover to clean the surface if necessary .
- Initial coats: Bright new galvanized steel surfaces must be pretreated with Dulux Trade Mordant Solution prior to application of the primer - Dulux Trade Metalshield Zinc Phosphate .
 - Number of coats: As recommended by manufacturer .
- Undercoats: As recommended by manufacturer - Solvent borne primer to new mild steel - Dulux Trade Metalshield Zinc Phosphate .
 - Number of coats: As recommended by manufacturer - 1 coat 50-65 microns dry. 115 - 150 microns wet .
- Finishing coats: Satin
 - Colour from manufacturer's standard range - For Stairs 1, 3, 16 & 17 - RAL 9011. For all others Stairs - RAL 7037 .
 - Number of coats: 2 full coats, Wet 80 microns, Dry 40 microns .
- Other Requirements: Meets Regulation(EC) No. 1272/2008 (CLP) Type 1. Must not exceed Classification Type 1.

155A PUR LACQUER/ MATT PAINT WATER BASED - FACTORY APPLIED SPRAY LACQUER RESIDENTIAL TOWERS ONE & TWO - VARIOUS LOCATIONS PURPOSE MADE FURNITURE FINISHES .

- Manufacturer: As clause 210 .
 - Product reference: As recommended by Manufacturer .
- Surfaces: Preprimed and sealed or as recommended by Manufacturer. Purpose Made Furniture as section N10 .
 - Preparation: As clause 400 & 590 to suit substrates and as manufacturer's recommendation. Generally, substrate surfaces to be smooth, clean and dry .
- Edges: UV base coat + PUR topcoating
- Initial coats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
- Undercoats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
- Finishing coats: Matt.
 - Colour from manufacturer's standard range: As per Benoy Finishes Shedules BNY-PA-4C -AL01 & BNY-APT-40-AL01 .
 - Number of coats: 1 full coats .
- Lacquer Coverage: 120g/m² per coat
- Gloss Units 15 +/-4 (15%)

155B MATT PAINT WATER BASED - ANTI-MOULD - ANTI-FUNGAL RESIDENTIAL TOWERS ONE & TWO - APARTMENT BATHROOM & KITCHEN CEILINGS .

- Manufacturer: Colorifico B.B.M. .
 - Product reference: Antimuffa Per Interni - Waterbased with antibacterial additives - to match Residential Pod Ceiling Paint .
- Surfaces: Plasterboard Ceilings as section K10 .
 - Preparation: As clause 400 & 590 to suit substrates and as manufacturer's recommendation. Generally, substrate surfaces to be smooth, clean and dry .
- Initial coats: As recommended by manufacturer - Mist Coat as clause 580A .
 - Number of coats: As recommended by manufacturer. As clause 580A .
- Undercoats: As recommended by manufacturer - none required .
 - Number of coats: As recommended by manufacturer - none required .
- Finishing coats: Matt.
 - Colour from manufacturer's standard range: Pure Brilliant White to match RAL 9010. See Interiors Finishes Schedule BNY-PA-(40)-AL01 & BNY-APT-(40)-AL01 .
 - Number of coats: 2 full coats .

155C PUR LACQUER/ MATT PAINT WATER BASED - FACTORY APPLIED SPRAY LACQUER RESIDENTIAL TOWERS ONE & TWO - VARIOUS LOCATIONS - DOORS .

- Manufacturer: As clause 210 .
 - Product reference: As recommended by Manufacturer .
- Surfaces: Preprimed and sealed or as recommended by Manufacturer. Internal Doors as section L20 .
 - Preparation: As clause 400 & 590 to suit substrates and as manufacturer's recommendation. Generally, substrate surfaces to be smooth, clean and dry .
- Edges: UV base coat + PUR topcoating
- Initial coats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
- Undercoats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
- Finishing coats: Matt.
 - Colour from manufacturer's standard range: As per Benoy Finishes Schedules BNY-PA-40-AL01 & BNY-APT-40-AL01 .
 - Number of coats: 2 full coats .
- Lacquer Coverage: 120g/m² per coat
- Gloss Units 15 +/-4 (15%)

155D HIGH GLOSS SOLVENT BASED PAINT INTERIOR AND EXTERIOR ON TIMBER AND METAL DOORS .

- Manufacturer: Dulux or equal approved .
 - Product reference: Dulux Trade High Gloss .
- Surfaces: Preprimed or as recommended by Manufacturer. Internal Doors as section L20 .
 - Preparation: As clause 400 to suit substrates and as manufacturer's recommendation. Generally, substrate surfaces to be smooth, clean and dry .
- Initial coats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
- Undercoats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
- Finishing coats: Satin Gloss - Colour from manufacturer's standard range: As per Benoy Door Schedule BNY-HA(32)SC17 .
 - Number of coats: 2 full coats .
- Gloss Units (20%)
- Application: Brush or roller only. For Health & Safety reasons relating to all solvent-based paints, spray application is not recommended.

- 160 DECORATIVE WOODSTAIN/ VARNISH/ PRESERVATIVE VARNISH TO TIMBER ELEMENTS AS SECTION P20 - RESI T1 & T2 LIFT LOBBY ENTRANCE PORTALS
- Manufacturer: Morrells or equal approved .
 - Product reference: Morrells Two Pack AC Lacquer Matt Clear - 10% Sheen Product ref. 5103/440 .
 - Surfaces: timber as clause P20/120A .
 - Preparation: to manufacturer's recommendations .
 - Initial coats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
 - Finishing coats: As recommended by manufacturer - factory applied sprayed finish .
 - Number of coats: As recommended by manufacturer .
- 160A DECORATIVE WOODSTAIN WOODSTAIN TO TIMBER ELEMENTS AS SECTION P20 - RESI T1 & T2 LIFT LOBBY ENTRANCE PORTALS
- Manufacturer: Morrells or equal approved .
 - Product reference: Morrells Light Fast Wood Stain .
 - Surfaces: timber as clause P20/120A to match colour of laminate wall finish code WF.08 as per schedule BNY-PA-(40)-AL01 .
 - Preparation: to manufacturer's recommendations .
 - Initial coats: As recommended by manufacturer .
 - Number of coats: As recommended by manufacturer .
 - Finishing coats: As recommended by manufacturer - in colour Walnut - factory applied sprayed finish .
 - Number of coats: As recommended by manufacturer - to match colour of laminate wall finish code WF.08 as per schedule BNY-PA-(40)-AL01. Samples to be approved by Benoy before installation. .
- 171 CONCRETE FLOOR PAINT TO HILTON/GENSLER HOTEL CONCRETE MOE ESCAPE STAIRS 1; 3; 16 & 17 (D&B PACKAGE)
- Manufacturer: Watco or equal approved .
 - Product reference: WATCO CONCRETE FLOOR PAINT - RAL 7037.
 - Surfaces: Internal concrete floor.
 - Preparation: As manufacturer's recommendations.
 - Initial coats: As manufacturer's recommendations.
 - Number of coats: As manufacturer's recommendations.
 - Undercoats: As manufacturer's recommendations.
 - Number of coats: As manufacturer's recommendations.
 - Finishing coats: As manufacturer's recommendations - Colour: RAL 7037. Finish: Anti Slip.
 - Number of coats: As manufacturer's recommendations - 2 coats.
- 171A CONCRETE FLOOR PAINT ALL SUBSTATION FLOORS (D&B PACKAGE)
- Manufacturer: Watco or equal approved .
 - Product reference: WATCO CONCRETE FLOOR PAINT - RAL 7036.
 - Surfaces: Internal concrete floor.
 - Preparation: As manufacturer's recommendations.
 - Initial coats: As manufacturer's recommendations.
 - Number of coats: As manufacturer's recommendations.
 - Undercoats: As manufacturer's recommendations.
 - Number of coats: As manufacturer's recommendations.
 - Finishing coats: As manufacturer's recommendations - Colour: RAL 7036. Finish: Matt.
 - Number of coats: As manufacturer's recommendations - 2 coats.

173 CONCRETE FLOOR WATERPROOF COATING District Cooling Centre Floors except within Substation MC Package

- Manufacturer: Watco or equal approved.
 - Product reference: Watco Plant Room Coating.
- Surfaces: Internal concrete floor and vertically 150mm up existing & new blockwork walls & new concrete upstands.
 - Preparation: Surfaces must be cleaned of all grease, dust, cement laitance and other contaminants. Dampen surfaces with clean, cold water. A minimum air and surface temperature of 5°C is essential..
- Initial coats: N/A.
 - Number of coats: N/A.
- Undercoats: N/A.
 - Number of coats: N/A.
- Finishing coats: One coat is usually sufficient. Colour: Grey. Finish: Matt.
 - Number of coats: As noted above.
- Application: Create a tough textured anti slip surface using a medium pile roller. The coating should be applied at approximately 1mm thick. If a second coat is required it can be applied as soon as the first is cured, normally 12-24 hours.
- Note: Plant room coating has a PTV Value of 69 in the dry & 61 in the wet with a DIN Value of R12.

GENERALLY

210 COATING MATERIALS

- Manufacturers: Obtain materials from any of the following:
Dulux, Vercoll as clause 55 or equal approved.
- Selected manufacturers: Submit names before commencement of coating work.

210A COATING MATERIALS: CLASS '0' SPREAD OF FLAME

- Excluded items generally as per BS: 9999 - doors, door frames, skirtings & MOE Stair handrails - Class '0' is generally not required for the decorative finishes, paints, lacquers & varnishes.
- Decorative finishes, paints, lacquers and varnishes in residential refuse chute lobbies(all residential towers' levels) and main entrance lobbies (entrance levels) to be Class '0'.
- Finishes generally cannot be less than Class 1.

211 METAL COATING

- Manufacturers: Obtain materials from any of the following:
Akzo Nobel Decorative Coatings Ltd or equal approved.
- Selected manufacturers: Submit names before commencement of coating work.

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.

220 COMPATIBILITY

- Coating materials selected by contractor:
 - 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.

- 240 SURFACES NOT TO BE COATED
- Radiator valves and stop valves.
- 250 SURFACES TO BE CLEANED BUT NOT COATED
- Factory 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.
- 300 CONTROL SAMPLES
- Sample areas of finished work: Carry out, including preparation, as follows:
Types of coating Location
M60/ all clauses listed 110 to 171 . Locations and extent of Control Samples agreed with Contract Administrator, Main Contractor and Client. For factory applied finishes (Doors & Purpose Made Joinery - 1 no. of each type to be completed and be reviewed as Control Samples. A 600mm length section of Residential T1 & T2 Lift Lobby Entrance Portals Frame as clause P20/120A; M60/160 & M60/160A. One residential apartment to be fully painted walls, ceilings, skirtings and door frames .
 - 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:
Types of coating Inspection at completion of
M60/ All Clauses . Undercoat and Final Coat .
 - Inspection: Give prior notice when each stage is ready for inspection.

PREPARATION**400A 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 & seal.
- 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, wall clocks, and other surface mounted fixtures. N.B. All Factory finished Doors with security rating PAS 24 or LPS1175 rated SR1 to SR4 - ironmongery, fixtures or fittings not to be removed.
- 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: Take back to bare wood and reprime.

481 UNCOATED WOOD

- General: Provide 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.

490 PREVIOUSLY COATED STEEL

- Defective paintwork: Remove to leave a firm edge and clean bright metal.
- Sound paintwork: Provide key for subsequent coats.
- Corrosion and loose scale: Take back to bare metal.
- Residual rust: Treat with a proprietary removal solution.
- Bare metal: Apply primer as soon as possible.
- Remaining areas: Degrease.

- 500 PREPRIMED STEEL
- Areas of defective primer, corrosion and loose scale: Take back to bare metal. Reprime as soon as possible.
- 511 GALVANIZED, SHERARDIZED AND ELECTROPLATED STEEL
- White rust: Remove.
 - Pretreatment: Apply one of the following:
 - 'T wash'/ mordant solution to blacken whole surface.
 - Etching primer recommended by coating system manufacturer.
- 521 UNCOATED STEEL - MANUAL CLEANING
- Oil and grease: Remove.
 - Corrosion, loose scale, welding slag and spatter: Remove.
 - Residual rust: Treat with a proprietary removal solution.
 - Primer: Apply as soon as possible.
- 531 UNCOATED STEEL - BLAST CLEANING
- Oil and grease: Remove.
 - Blast cleaning:
 - Atmospheric conditions: Dry.
 - Abrasive: Suitable type and size, free from fines, moisture and oil.
 - Surface finish: To BS EN ISO 8501-1, preparation grade Sa2.
 - Primer: Apply as soon as possible and within four hours of blast cleaning.
- 541 UNCOATED ALUMINIUM/ COPPER/ LEAD
- Surface corrosion: Remove and lightly key surface.
 - Pretreatment: Etching primer if recommended by coating system manufacturer.
- 560 UNCOATED CONCRETE
- Release agents: Remove.
- 570 UNCOATED MASONRY/ RENDERING
- Loose and flaking material: remove.
- 580 UNCOATED PLASTER
- Nibs, trowel marks and plaster splashes: Scrape off.
 - Overtrowelled 'polished' areas: Key lightly.
- 580A UNCOATED PLASTER MIST COAT
- Apply mist coat as primer to new plaster - 1 coat.
 - Diluted Matt Emulsion ratio 70:30 paint to water. RAL 9010.
 - Paint as clause 110
- 590 UNCOATED PLASTERBOARD
- Depressions around fixings: Fill with stoppers/ fillers
- 601 UNCOATED PLASTERBOARD - TO RECEIVE TEXTURED COATING
- Joints: Fill, tape and feather out with materials recommended by textured coating manufacturer.

611 WALL COVERINGS

- Retained wall coverings: Check that they are in good condition and well adhered to substrate.
- Previously covered walls: Wash down to remove paper residues, adhesive and size.

APPLICATION**711 COATING GENERALLY**

- Application standard: In accordance with BS 6150, clause 9.
- 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.

740 CONCEALED METAL SURFACES

- General: Apply additional coatings to surfaces that will be concealed when component is fixed in place.
 - Components: metal elements and door frames.
 - Additional coatings: Black bitumen to BS 3416, type 1.

751 STAINING WOOD

- Primer: Apply if recommended by stain manufacturer.
- Application: Apply in flowing coats and brush out excess stain to produce uniform appearance.

760 VARNISHING WOOD

- First coat: As manufacturer's recommendations.
 - Brush well in and lay off avoiding aeration.
- Subsequent coats: Rub down lightly along the grain between coats.

771 EXTERNAL DOORS

- Bottom and top edges: Prime and coat before hanging doors.

780 BEAD GLAZING TO COATED WOOD

- Before glazing: Apply first two coats to rebates and beads.

790 PUTTY GLAZING

- Setting: Allow putty to set for seven days.
- Sealing:
 - Within a further 14 days, seal with an oil based primer.
 - Fully protect putty with coating system as soon as it is sufficiently hard.
 - Extend finishing coats on to glass up to sight line.

800 GLAZING

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

810 WATER REPELLENT

- Application: Liberally flood surface, giving complete and even coverage.

END OF SECTION M60