1162 Stack Manchester, Schedule of External Materials

Introduction

The schedule of external materials provides details of as many of the proposed external materials as practicably possible for the proposed Stack development on Oxford Road, Manchester. The document is provided as evidence to discharge Planning Condition 23

Purpose of Document

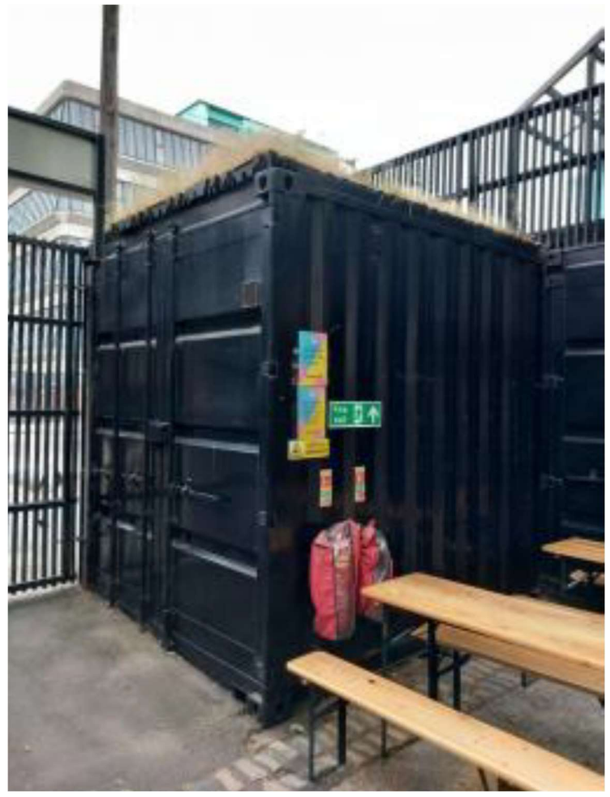
The purpose of this document sis to provide additional information on the materials proposed for the external elevations and boundary treatments. The document is to satisfy the requirements of Planning Condition 23 for planning application reference 140907/FO/2024. Datasheets, where available, are provided at the end of this document in Appendix A.

Reference drawings

1162-P0-[20]-000 - PROPOSED GROUND FLOOR PLAN
1162-P0-[20]-100 - PROPOSED FIRST FLOOR PLAN
1162-EL-[00]-210 - PROPOSED WEST ELEVATION
1162-EL-[00]-211 - PROPOSED SOUTH ELEVATION

Quality control management strategy

The strategy for managing the quality at construction stage will be centred around the Stack branding and product selection process. The products illustrated within this schedule have been developed over several Stack projects. The project team understand the colour schemes and specifications required to ensure a successful hand over at the end of the construction stage. To safeguard the quality of the materials and finishes we would propose sample panels for both the container or metal and the timber paint finishes. The glazed screens, shop fronts and doors all use the same system as used on previous projects. The materials listed below will be transferred to our production information drawings and any requests to change materials or finish specifications will be reviewed by the Architect and Client. The Client will provide final approval of any alterations from the listed materials and finishes as they will need to comply with the Stack brand.

01	Existing steel hatch container re-purposed and repainted - colour: Ral 7016 - anthracite grey. *Paint specification*: High Build Vinyl (HBV) by Manor Coatings – see Appendix A, item 1 for datasheet.	
02	Full colour digitally printed and cut out heat wrap vinyl graphics applied direct to existing containers. Datasheet not available.	

03	Aluminium door to existing hatch container re-purposed and repainted - colour: Ral 7016 - anthracite grey. *Paint specification*: High Build Vinyl (HBV) by Manor Coatings – see Appendix A, item 1 for datasheet.	
04	Aluminium window to existing hatch container re-purposed and repainted - colour: Ral 7016 - anthracite grey. Datasheet not available.	

05	New polyester powder coated aluminium entrance doors. colour: Ral 7016 - anthracite grey. *Entrance door specification:* SAS - SPW500 Thermally Broken Door/Frame System with Anti Finger Trap Stiles – see Appendix A, item 2 for datasheet.	
06	New polyester powder coated aluminium shop front to new shipping container. colour: Ral 7016 - anthracite grey. *Fixed glazed screen specification:* SAS - SPW500 Thermally Broken Shopfront System – see Appendix A, item 2 for datasheet.	

07	New polyester powder coated aluminium shop doors. colour: Ral 7016 - anthracite grey. *Shop door specification:* SAS - SPW500 Thermally Broken Door/Frame System with Anti Finger Trap Stiles – see Appendix A, item 2 for datasheet.	
08	New steel shipping container. colour: Ral 7016 - anthracite grey. *Paint specification*: High Build Vinyl (HBV) by Manor Coatings – see Appendix A, item 1 for datasheet.	

09	New painted steel balustrade. colour: Ral 7016 - anthracite grey Datasheet not available.	

10	New painted timber infill between shipping containers. colour: Ral 7016 - anthracite grey (to be confirmed at detail design). Timber infill by sub-contractor – no datasheet available. *Paint specification*: Armstead Trade Floor Paint AM305 – see Appendix A, item 3 for datasheet.	
11	New painted timber fence / gates. colour: Ral 7016 - anthracite grey. Timber gates by sub-contractor – no datasheet available. *Paint specification*: Armstead Trade Floor Paint AM305 – see Appendix A, item 3 for datasheet.	

12	Existing concrete structure to Mancunian Way above to remain as existing.	

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Appendix A - Product Datasheets

1. **Manor Coatings high build vinyl paint**

MANOR

PRODUCT DATA SHEET

HI BUILD VINYL

MANOR Coating Systems

INTENDED USE

DECORATION OF BUILDINGS

A rapid drying high performance 'one coat', anti-corrosive, self priming low sheen topcoat, giving a tough flexible film with remarkable adhesion to many difficult substrates.

VOC Classification 2004/42 Cat A(i) = 500g/L.
Apply by brush, do not add thinners.

Typical uses are:
- Cladding Paint; dries at low temperatures down to 5 C for use throughout the year. SEE SUPPLEMENTARY DATA SHEET FOR USE AS A CLADDING PAINT.
- Metal Railings and Fencing; adheres directly to galvanised metal or steel with no need for mordant solutions or etch primers
- Galvanised or steel structures subject to high humidity; such as steel roof trusses in swimming pools

Not suitable for use in areas subject to chemical / solvent attack
ARTICLES - that are not part of a building structure (and are therefore outside the scope of the building products VOC Product Directive)
Typical uses are: machinery, process steelwork, fixed plant, exteriors of pipelines and tanks; for areas exposed to high humidity and certain chemicals (seek advice from Manor Coating Systems Technical Department)

Not suitable for use in areas subject to chemical / solvent attack
METAL FINISHING

A rapid dry "one coat" anti corrosive self priming low sheen topcoat, giving a tough flexible film with remarkable adhesion to many difficult substrates with excellent re-coat characteristics.

Typical uses are:
- General Metal Fabrication; used to overcome problems associated with conventional alkyd paints subject to severe exposure conditions often associated with poor adhesion
- Wrought iron gates and railings, applied direct with no need for a mordant or etch primers
- Metalwork subject to low temperatures, Hi Build Vinyl remains flexible
- Metalwork subject to high humidity

Not suitable for use in areas subject to chemical / solvent attack
NICHE END USES ON SOME PLASTICS

Manor Coating Systems Limited Otley Road, Shipley BD17 7DP
Tel 01274 597301 www.manorcoatingsystems.co.uk

Printed from workflow forms on 21/02/2024
Reference: HV Version: 12.0

2. SAS SPW500 PPC entrance doors and glazed screens

V01_19.01.2023

SENIOR ARCHITECTURAL SYSTEMS

SPW500 Thermally Broken Screening & Door System

Technical Datasheet



Scope

The SPW500 system is designed as a high usage commercial door and framing solution capable of being manufactured in double and emergency door types and utilising low thresholds and a variety of options such as radius anti-finger trap stiles. It is a thermally broken polyamide system, capable of accepting glazing up to 28mm thick.

Materials

- Extruded aluminium is generally Aluminium Alloy 6060.T6/ T66, 6063.T6/T66, 6082.T6 to BS EN 755-9 and EN 12020-2.
- Polyamide thermal barriers PA66 GF.25 and Senior Architectural Systems Polyurethane.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

Finishes

SPW500 framing sections are available typically in three finishes.

- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.
- Mill Finish.

Construction

SPW500 is constructed with square cut components, mechanically jointed using self tapping screws into special cleats, and torsion bars are used for compressive strength. A proprietary sealant is used on all metal joints in line with good practice.

Environmental

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001, ISO 45001 and BES6001 standards. When used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment, (which therefore involves the Green Guide specification) can offer significant benefits. For project specific assistance, please contact our specification team.

Typical Sizes	
Standard Hook Locks	
Max door leaf width	1000mm (PAS24 Compliant) 1150mm (Not PAS24 Compliant)
Max door leaf height	2400mm
Panic Doors	
Max door leaf width	1100mm
Max door leaf height	2200mm
*Average U-values	
CEN standard (Double Glazed)	1.8 W/m²K
Glazing	
Thickness	28mm
Testing	
Security	PAS24 & SBD
**BS6375 -1	✓
BS6375 - 2	✓



Secured by Design

PAS 24

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Due to a policy of continual product development, Senior Architectural Systems reserves the right to alter any of the specifications given in this publication without prior notice. The specification for any given application must be checked with Senior Architectural Systems prior to manufacture. No responsibility for accuracy is accepted by Senior Architectural Systems. Always refer to the Technical Manual.

3. **Armstead Trade AM305 paint finish**

ARMSTEAD TRADE

FLOOR PAINT

AM305

AkzoNobel

Issued August 2014

PRODUCT DESCRIPTION & USE

Armstead Trade Floor Paint is a professional quality, solvent-based general purpose paint for use on interior concrete, wood and metal surfaces. Resistant to pedestrian foot traffic and light rubber wheeled vehicular traffic.

KEY BENEFITS

- **Tough & durable smooth floor finish**
- **Resistant to foot traffic**
- **For light industrial use**

PACK SIZES

5L

COLOUR RANGE

Armstead Trade Exclusive:	19 colours
BS4800:	98 colours
RAL:	45 colours
NCS 1 & 2:	2 colours
	Visit www.armsteadtrade.co.uk

FILM PROPERTIES

Chemical Resistance:	Resistant to mild chemical fume attack but where there is likely to be spillage of solvents, chemicals, cutting oils, dairy products, foodstuffs, etc. specialist coatings are likely to be required.
Heat Resistance:	Generally resistant to heat up to 90°C.
Water Resistance:	Resistant to repeated and regular washing with water and detergents but not suitable for use on floors that are likely to be continuously wet.

VOLUME SOLIDS

48% (nominal).

SURFACE PREPARATION

Surfaces must be clean, dry (less than 5.5 on Protimeter screed scale) and free from all defective or poorly adhering material. Avoid the inhalation of dust. Wear a suitable face mask if dry sanding. New or bare porous surfaces should be sealed with a coat of **Armstead Trade** Floor Paint thinned with up to 1 part white spirit to 10 parts of paint.
Note: Do not use in areas of heavy industrial use, aggressive environments, car showrooms or garage floors that are in prolonged contact with wet vehicle tyres or on power float/case hardened concrete or where silicate hardeners have been used, Terrazzo and Granolithic or substrates that have not fully dried out or do not incorporate an effective damp-proof membrane. This material is intended for light industrial/domestic situations. Some concrete floors may take up to 12 months to dry in depth. Do not use in areas of constant high humidity such as shower rooms and swimming pools etc.
Note: Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

COMPOSITION (NOMINAL)

Pigment:	Lightfast Pigments.
Binder:	Alkyd.
Solvent:	White Spirit.

APPLICATION

Brush or roller. For Health and Safety reasons related to all solvent-based paints, spray application is not recommended.

As with other solvent-based paints, do not apply in temperatures below 5°C (as recommended by British Standard BS 6150).

SYSTEM INFORMATION

Stir thoroughly before use.
The normal recommendation is to apply 1 or 2 coats of **Armstead Trade** Floor Paint.

PRACTICAL COVERAGE

up to 16M²/L

On smooth surfaces of average porosity a litre of paint is sufficient to apply one coat to an area of up to 16m².

THINNING

For sealing new or bare surfaces add up to 1 part of white spirit to 10 parts of paint. For normal use thinning is not usually necessary.

FILM THICKNESS

Film thickness will be dependent on the coverage achieved.

Wet:	52-73 microns.
Dry:	25-35 microns.

DRYING TIMES (SINGLE COAT, STANDARD THICKNESS)

Touch Dry:	4-6 hours*
Recoat:	16-24 hours*

*Dependant upon temperature and humidity
Note: It is essential to allow the coated floor to dry for a minimum of 24 hours under well ventilated conditions before use.

CLEANING UP

WHITE SPIRIT

After use, remove as much paint as possible from brushes before cleaning with white spirit.

TRANSPORTATION & STORAGE

Do not use or store in extremes of temperature and protect from frost. To prevent spillage, please store and transport upright.