

K13- RIGID SHEET FINE LININGS AND PANELLINGS**IRAL-NH[K13]0001**

Rev	Summary of Changes	Author	Date	Check	Status
F00	Tender Issue	TMQ	31.07.08	AS	Stage F
K00	Issued for Construction Added clauses 115, 120 Revised clause 110	TM	19.01.09	AS	Stage K
K01	Revised clauses 110, 115 Added clause 125, 150, 151	CR	19.05.09	AS	Stage K
K02	Revised clause 110 (RFI-000260)	CR	23.06.09	AS	Stage K

K13 RIGID SHEET FINE LININGS AND PANELLINGS

To be read with A00 Preliminaries/ General conditions.

TYPES OF LINING AND PANELLING

110 MDF DUCT PANELLING AND HINGED ACCESS PANELS

- Description: MDF Panelling for WC-Areas including hinged access panels to WC installation systems and services risers
- Locations:
 - Basement, rooms B04, B07: WC/Shower, B06: WC (disabled), B16: WC Shower
 - Ground floor, rooms G11: WC/Shower, G12: WC
 - First floor, rooms 103, 104: WC's
 - Second floor, rooms 204, 205: WC's
 - Third floor, room 304: WC
- Drawings: IRAL-1130, 1133, 1134, 1150, 1153, 1340, 1347, 1348, 1400, 1402, 1510, 1511, 1610, 2222, 2245
- MDF Panelling:
 - Dimensions: According to drawings. 27mm thick, made up from 12mm and 15mm. In general: to cover an entire wall surface, where WC is located
 - Material: moisture resistant MDF as K13/151..
 - Paint: as clause M60 / 145. Shop sprayed and protected prior to installation. Finish to be approved on site before installation.
 - Fixings to support fixed panels: invisible (metal, timber or mdf split battens)
 - MDF locating tabs fixed to back of panels to be screw fixed into support structure.
 - Other requirements:
 - Acoustic insulation for services to be included, if required.
 - Any voids / acoustic bridges to duct behind panel system to be packed with mineral wool P10/231.
- Access Panels:
 - Dimensions: According to drawings. 18mm thick.
 - Material: moisture resistant MDF as K13/151.
 - Purpose made
 - Stainless steel hinges included
 - Maximum gap between panelling and access panel: 3mm
 - Access panel to be flush with panelling
 - Acoustic seals to be incorporated to 3mm wide x 4mm kerf: Norsound NOR 720 continuous around access panel.
 - Access panel of sufficient depth to guarantee flush surface and acoustic performance.
 - The number of acoustic seals to be incorporated are as required so that services behind are not be audible.
 - **2 no. budget mortice lock Hafele 230.16.910 to each door panel, one at 600mm AFF and one at 1800mm AFF. 3-way espagnolette lock to be incorporated, lockable with an allen-key: Palco 3WL/5mm bit or equivalent approved.**
 - **One strike plate Hafele 230.16.940 per lock.**
 - **Drill a 16mm hole through the 18mm panel at each lock position and insert a Bbrushed stainless steel sleeve (2mm wall thickness) to line the hole through the panel to the lock. Sleeve to be glued into hole and to finish flush to the outside face and inside face of the panel.**
 - **Install one spring per door to push the door open when the locks are disengaged: Hafele 245.52.403 or similar approved.**
 - **Supply three budget lock t-keys: Hafele 230.16.920.**
 - 4 no. nickel plated Soss Hinges 101 (Hafele 341.07.718) per panel. Maximum panel weight 28kg.
 - Finish: as MDF Panelling above

- Support Structure:
 - Timber support frames to be provided for all areas with MDF-Panelling and access panels / openings
 - Fixings to support frames invisible after installation.
 - Support structure to be braced to back wall or ceiling as required to prevent movement of partition.
 - Space for serves, cut-outs, support structures etc to be incorporated.
- Other requirements:
 - Incorporation of 35mm ventilation gap between ceiling and top of panels.
 - Stainless steel skirting P20/120 adhered to MDF or plywood plinth.
 - Drip profile to bottom of panels above skirting.
 - All exposed edges to have 2mm radius before painting.
 - Silicone sealant N22/120 to joints.
 - Acoustic seal to plywood or MDF ventilation plenum to form uninterrupted perimeter with access panel acoustic seals to jambs.
 - Acoustic quilt floor to ceiling to provide acoustic separation within services duct between WC 103 and WC 104:
 - Lamaphone CBX CB10 or equivalent approved
 - Supplier: Siderise Insulation Limited or equivalent approved
 - Forge Industrial Estate
 - Maesteg, Wales
 - CF34 0AZ
 - T: 01656 730833
 - Dimensions 3500mm long x 1200 wide (special order length)
 - Installation as per manufacturer's recommendations to prevent any air gaps
- Sample of access panel in frame with all ironmongery and acoustic seals to be submitted for approval before fabrication of components.

115 MDF LINING

- Description: Painted MDF lining at hand wash basins
- Locations:
 - Basement, rooms B04, B07: WC/Shower, B06: WC (disabled), B16: WC Shower
 - Ground floor, rooms G11: WC/Shower, G12: WC
 - First floor, rooms 103, 104: WC's
 - Second floor, rooms 204, 205: WC's
 - Third floor, room 304: WC
- MDF Panelling:
 - Dimensions: According to drawings.
 - In general: to cover wall surface behind hand wash basin
 - Material: moisture resistant MDF as K13/151..
 - Paint: as clause M60 / 145. Shop sprayed and protected prior to installation. Finish to be approved on site before installation.
 - Fixings to support: invisible in final configuration (metal, timber or mdf split battens)
 - Other requirements: Acoustic insulation for services to be included, if required.
- Support Structure:
 - Adhered to wall partition
 - Fixings to support frames invisible after installation
 - Space for serves, cut-outs, support structures etc to be incorporated.
- Other requirements:
 - Cut outs for piping
 - Set flush with adjacent plastered wall finish and mirror.
 - Drip profile to bottom of panel above skirting.
 - All exposed edges to have 2mm radius before painting.
 - Silicone sealant N22/120 to joints.
- Samples to be provided to CA: 1 no. 200 x 200mm panel with 1 no cutout and finished edges, painted.

120 WALL TYPE S

- Description: Reinstallation of existing hardboard panels with insulation behind at exterior wall
 - Locations: Room 108
 - Support Structure:
 - Existing or new timber battens / blocking as required as G20/240
 - Other requirements:
 - Refer to IRAL-SW03
- 125 **MDF SOIL PIPE ENCLOSURE**
- Description: Painted MDF lining boxing-out to soil pipe
 - Locations:
 - Basement, room B06: WC (disabled)
 - MDF Panelling:
 - Dimensions: According to drawings.
In general: to fully enclose soil pipe from back of WC to stack in wall.
 - Material: moisture resistant MDF as K13/151.
 - Paint: as clause M60 / 145. Shop sprayed and protected prior to installation. Finish to be approved on site before installation.
 - Fixings to support: invisible (metal, timber or mdf split battens)
 - Other requirements: Acoustic insulation for services to be included, if required.
 - Support Structure:
 - Timber or metal framing inside of enclosure.
 - Fixings to support frames invisible after installation
 - Space for serves, cut-outs, support structures etc to be incorporated.
 - Other requirements:
 - Mitred join between top and side panels.
 - 5mm silicone joint to WC pan and to walls.
 - Face panels to recess to accept skirting as adjacent walls.
 - Enclosure to run behind pan and align to face of pan at right side.
 - Samples to be provided to CA: 1 no. 200mm long finished section of enclosure with framing.

COMPONENTS**150 MDF**

- Material: Medite Premier or equivalent approved.
- Board thickness as per individual specification clause and/or drawings.
- Board size to avoid joints other than where explicitly shown on the drawings.
- Cut edges to be filled and sanded smooth before painting if there is any pitting or imperfections to the surface.
- FSC and/or PEFC certification for all MDF board material to be retained and produced for inspection on request.
- Manufacturer:
Medite Europe or equivalent approved.
Persimmon House
Anchor Boulevard
Crossways Business Park
Kent DA2 6QH
Tel: + 44 (0) 1322 424900
Fax: + 44 (0) 1322 424920
<http://www.medite-europe.com>

151 MOISTURE RESISTANT MDF

- all as N10/600 except:
- Material: Medite MR or equivalent approved.

GENERAL REQUIREMENTS**210 WORKMANSHIP GENERALLY**

- Moisture content of timber supports: 12-14%.
- Methods of fixing and fasteners: As section Z20 where not specified.
- Protection: Protect from dirt, stains and damage using suitable coverings and boards laid as the work proceeds.

220 MATERIAL SAMPLES

- Representative samples of designated materials: Submit before placing orders.
- 600x600 panel of full assembly with 300 x 300 access panel, operable, including all ironmongery.

260 ENVIRONMENTAL CONDITIONS

- General requirements prior to starting work specified in this section: Building weathertight, wet trades completed and affected areas dried out.
- Temperature and humidity before, during and after installing strips/ boards: Maintained at levels approximating to those which will prevail after building is occupied.

270 HEATING SYSTEM

- Operating mode: Intermittent
- Room temperatures for which the system has been designed: 20-25°C
- Operation up to Completion: Submit proposals

280 AIR CONDITIONING SYSTEM

- Conditions for which the system has been designed: 20-25°C, 35-65% relative humidity.
- Operation up to Completion: Submit proposals

FABRICATION/FIXING/FINISHING**310 ACCURACY OF FABRICATION**

- Site Dimensions: Take as necessary before starting fabrication.

- Discrepancies with drawings: Report without delay and obtain instructions before proceeding.
 - Permissible deviations for panels:
 - Length: +/- 1.5mm
 - Width: +/- 1.5mm
 - Squareness: taking the longer of the 2 sides at a corner as a baseline and measuring the deviation of the shorter side from the baseline perpendicular: +/- 1.5mm in 1 m
 - Flatness: (of panels with a core thickness of 12mm and over, as delivered to site): +/- 1mm under 1m straightedge.
- 350 **FIXING LININGS AND PANELLINGS**
- Setting out: Accurate, true to line and level, free from undulations and lipping, with lines and joints aligned, straight and parallel unless specified otherwise.
 - Movement Allowance: Adequate for future moisture and temperature movement of boards.
 - Fixing of panels: Secure, to prevent pulling away, bosing or other movement during use.
 - Methods of fixing and fasteners: As section Z20 unless specified otherwise.
 - Trims: Wherever possible to be unjointed lengths between angles or ends of runs.
 - Running Joints: Where unavoidable, submit proposals for location and method of jointing.
 - Angle Joints: Mitred unless specified otherwise.
- 360 **OPEN JOINTS (JOINTS WITHOUT COVER STRIPS OR SIMILAR)**
- General: Within a joint (including in-line continuations across transverse joints) greatest width must not exceed the least width by more than .5mm in 1m, 1mm in 2m, 1.5mm in 3m.
 - Variations in width: Evenly distributed with no sudden changes. Joints with bevelled edges to be measured to face arises.
- 370 **SEALANT POINTING**
- Sealant: Silicone based with fungicide
 - Manufacturer: tbc
 - Product Reference: tbc
 - Colour: White
 - Application: As section Z22.
- 430 **HANGING OF PREFINISHED DOORS**
- Planing/Sanding: Not permitted.
- 430 **IRONMONGERY**
- As clause 110.
 - Installation:
 - Fasteners: Supplied by Ironmongery Manufacturer, finish/corrosion to match ironmongery.
 - Adjacent surfaces: Undamaged.
 - Moving Parts: Adjusted, lubricated and functioning correctly at completion.

End of K13