

K13 Rigid sheet fine linings/panelling

To be read with Preliminaries/Quotation and General Conditions.

TYPES OF LINING/PANELLING

PVC WALL PANELLING

- Hygenic (Clad & Clean) Ltd
- Hygenic House
- B12-B13 Headway Business Centre
- Knowles Lane
- Dudley Hill
- Bradford
- BD4 9SW
- E: info@hygenic.co.uk
- T: 01274 65 37 77
- F: 01274 65 38 88
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- HYGENIC SINGLE SKIN PVC – NBS Format
- Specification
- K13 RIGID SHEET FINE LININGS/PANELLING
- To be read with Preliminaries/General Conditions.
- TYPE(S) OF LINING/PANELLING
- UPVC FOODSAFE PANELLING TO WALLS
- Background: Flat and plumb brickwork/blockwork, plastered/rendered walls, boarded out stud partitions. Walls must be flat and plumb.
- **Panels:**
- Manufacturer and reference: to be supplied by:
- Hygenic (Clad & Clean) Ltd
- Hygenic House
- B12-B12 Headway Business Centre
- Knowles Lane
- Bradford
- BD4 9SW
- Tel: 01274 653777 Contact: Geoff Ryan
- Hygenic single skin class 1 fire rated BS476 part 7 UPVC panels mechanically fixed (Class O when bonded to NC Substrate with FR Adhesives)
- Colours: White. Thickness: 2.5mm White, V-Cream or bespoke colour
- Thickness 2.5mm single skin high impact pvc
- Size: Width 1220mm Height: 2400mm & 3048mm stock panels
- **Method of fixing panels:** Mechanically fixed using PVC tracking system and Hygenic LMN panel adhesive to spread rate supplied.
- **Components/Accessories:** Preformed and on site thermoformed angle sections internal/external corners, UPVC joints and edge trims
- As specified BS "foodsafes" complying with EEC regulations for hygiene in food production areas. Directive No 64/483 and the requirements as outlined in statutory instruments 454 and 805 (food hygiene).
- PRELIMINARY/GENERAL REQUIREMENTS FOR HYGENIC (CLAD & CLEAN) PVC WALL CLADDING

- **Suitable Substrates:**
- Good quality fair faced brick or block work. Well aligned joints bagged up flush. Straight to within 3mm over a 2m straight edge and bricks/blocks flush with ones adjacent.
- Sand and cement rendering 1:3 to a steel trowel finish.
- 12.5mm thick plasterboard, Taped and PVA by others.
- Minimum 9mm W.P.B. resin bonded to substrate.
- Ceramic tiles which are securely bonded to substrate.
- Certain sound painted surfaces (an adhesive test is advisable to ascertain compatibility).
- Plastered surfaces (subject to survey by Hygenic to confirm suitability).
- Pink lightweight plasters are generally not suitable
- **Moisture Content**
- All substrates to be dried to 0_3 on Protimeter Surveymaster equipment.
- Installation temperature
- Minimum ambient temperature of 14°C/57°F required in all installation areas.
- **Substrate preparation if applicable (by others)**
- All loose paint and dust should be removed
- Friable surfaces should be removed or made sound. Please consult Hygenic regarding approved sealing treatments (if applicable).
- Ceramic tiles should be thoroughly degreased, rinsed and allowed to dry.
- Loose tiles should be removed and the area made good using a sound repair mortar or sand and cement with Unibond mix, if drying time permits. Alternatively a suitable thickness W.P.B. ply screwed and plugged can be used.
- Depressions in substrate surface should be filled with a sound repair mortar or sand and cement with Unibond mix, if drying time permits.
- Existing painted surfaces should be degreased and a bond test carried out to confirm compatibility with the adhesive.
- **Drawings**
- Plant and equipment layout indicating heat emitting units, electrical services layout, plumbing/heating services, radiators etc.
- **Method of fixing**
- Fixing method to be determined by quality of substrate, e.g. dry, flat, sound substrate will receive gun applied Hygenic panel adhesive. Sheets are then held vertically within Hygenic PVC "H" trim and similarly at end stops, top and bottoms with "J" channel track system.
- **Abutments**
- To window frame, door frames, architraves, ceiling and quarry tile – wipe clean and prime the edges with cleaner and seal with food grade silicone sealant 3-4mm width joint.
- To safety vinyl flooring with covered skirting joint to be covered with high impact PVC transition strip. See Hygenic fitting details.
- To resin type flooring with covered skirting. Close bottom of sheet with section to resin cove and upstand. See Hygenic fitting details.
- Alternatively, close bottom of sheets with section to resin cove and upstand. See Hygenic fitting details.
- **Finishing**
- Protective film to be removed by others, wipe off any marks and dirt using PVC non abrasive cleaner (see cleaning instructions).

- **Treatment to service preparations**
- All holes to be cut to allow 3-4mm silicone seal around all penetrations.
- **Protection**
- Sheets supplied with self adhesive film for removal by others, if further protection is needed, hardboard can be applied (see cleaning instructions).

GENERAL REQUIREMENTS

210 HYGENIC REGISTRATION

- Materials generally ex-stock: Obtain from supplier named.
- Ordering: Supersede Employer's registration and take over responsibility by an order to the supplier covering price, supply and delivery to suit progress of the work.

260 ENVIRONMENTAL CONDITIONS

- General requirements prior to starting work specified in this section: Building to be weather tight: wet trades completed and affected areas dried out.
- Temperature and humidity before, during and after fixing lining/paneling: Maintained at levels approximately to those which will prevail after building is occupied.
- Minimum ambient temperature of 14°C/57°F required in all installation areas.

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: $\pm 1.5\text{mm}$
 - Width: $\pm 1.5\text{mm}$
 - Squareness (taking the longer of two sides at a corner as a baseline and measuring the deviation of the shorter side from the baseline perpendicular): $\pm 1.5\text{mm}$ in 1m.
- Flatness (of panels with a core thickness of 12mm and over, as delivered to site): $\pm 1\text{mm}$ under a 600mm straight edge.

350 FIXING LININGS/PANELLING

- 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, bowing, or other movement during use

- Methods of fixing and fasteners: as per Hygenic (Clad & Clean) specialist instructions.
- Trims: Wherever possible, to be in unjointed lengths between angles or ends of runs.
- Angle joints: Mitred, unless specified otherwise.