

**NBS/M50 ALTRO MONDOFUTURA SHEET RUBBER FLOORING
PARAGRAPHS.**

TYPE OF FLOOR COVERING.

150 RUBBER FLOORING:

- Location:
Base:
Preparation: Clauses
- Fabricated underlay: _____ as clause _____
- Flooring roll: Calendered and vulcanised rubber to EN 1817
Manufacturer and reference: **Altro Mondofutura** by Altro Floors,
telephone 01462 480480, fax 01462 707568.
Width: **1930 mm**
Thickness: **2 mm**
Colour: **TBC**
- Adhesive (and primer if recommended by manufacturer): **Altrofix A41.**
- Seam welding: Clauses
- Skirting and Accessories: Clauses
- Maintenance and Finishing: Clauses
- Special requirements: Clauses

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GENERALLY

- 210 WORKMANSHIP GENERALLY:
- All bases must be rigid, dry, sound, smooth and free from grease, dirt and other contaminants before coverings are applied.
 - Finished coverings must be accurately fitted, tightly jointed, securely bonded, smooth and free from air bubbles, rippling, adhesive marks and stains.
- 220 SAMPLES: Before placing orders, submit for approval a representative sample of each type of covering. Ensure that delivered materials match samples.
- 250 LAYOUT: Agree setting out of seams before ordering roll materials for sheeting type M50150B.
- 251 LAYOUT: Set out sheet coverings so that seams and cross seams are kept to a minimum. Cross seams will not be permitted.
- 252 LAYOUT: Agree setting out of pattern before ordering materials for covering type(s) M50/150B.
- 270 EXTRA MATERIAL: Provide **5%** extra of each type of covering to be handed over to the Employer at completion.
- 310 MARKING: Ensure that materials are delivered to site in original packing, clearly marked with batch number.
- 320 STORAGE: Store materials in a clean, warm, dry, well ventilated place. Keep in original packing until conditioning commences.
- 330 COMMENCEMENT: Do not lay materials until building is weathertight, wet trades have finished their work, the building is well dried out, all paintwork is finished and dry, conflicting overhead work completed, and floor service outlets, duct covers and other fixtures around which the materials are to be cut have been fixed. Inform CA not less than 48 hours before commencing laying.
- 340 CONDITIONING: Before laying commences thoroughly condition materials by unpacking and separating in the spaces where they are to be laid. Maintain resilient flooring rolls in an upright position, unroll carpet and keep flat on a supporting surface. Minimum conditioning time and temperature to be as recommended by manufacturer. Extend period by a factor of 2 for materials stored or transported at a temperature of less than 10°C immediately prior to laying.
- 350 ENVIRONMENT: Before, during and after laying, provide adequate ventilation and maintain temperature and humidity approximately at levels which will prevail after the building is occupied.

360 UNDERFLOOR HEATING: Do not commence laying on floors with underfloor heating for a period of **48 hours** after the heating has been turned off. Slowly return heating to its operative temperature not less than 48 hours after completing laying.

PREPARING BASES.

410 SUITABILITY OF NEW BASES AND CONDITIONS: Laying of coverings will be taken as joint acceptance by the Main Contractor and Subcontractor of the suitability of the bases and conditions within any given area.

420 SUITABILITY OF EXISTING BASES AND CONDITIONS:

- Before commencing work the subcontractor must confirm (through the Main Contractor) that existing bases will, after the specified preparation, be suitable to receive the specified coverings.
- Laying of coverings will be taken as further acceptance of the suitability of the bases and also of the conditions within any given area.

430 DAMPNESS: Where coverings are to be laid on new wet-laid bases:

- Ensure that drying aids have been turned off for not less than 4 days, then
- Test for moisture content using an accurately calibrated hygrometer in accordance with BS 5325, Annexe A or BS 8203, Annexe A.
- Take readings in all corners, along edges, and at various points over the area being tested.
- Do not lay coverings until all readings show 75% relative humidity or less.

440 SUBSTRATES: The specifications for trowelled finishes to receive thin floor coverings require:

- A uniform, smooth surface free from trowel marks and other blemishes, and suitable to receive the specified floor finish material.
- Adequate protection from construction traffic.
- Allowance for making good by application of a smoothing compound by and to the satisfaction of the flooring subcontractor in the event of the surface being unsuitable due to inadequate finishing or protection.

462A SMOOTHING UNDERLAYMENT COMPOUND:

- Manufacturer and reference: **Ardex UK Ltd, Arditex 'NA' smoothing compound.**
- Apply to base at a minimum thickness of 3mm in accordance with manufacturer's product data sheet incorporating aggregate for applications more than 12mm thick.
- Allow to dry before laying floor tiling/sheeting.

470 EXISTING FLOOR COVERING TO BE REMOVED: Completely remove covering and as much adhesive as possible. Skim with smoothing underlayment compound to give a smooth, even surface.

480 EXISTING FLOOR COVERING TO BE OVERLAID: Make good by local resticking and patching or filling with smoothing underlayment compound to give a smooth, even surface.

531A SURFACE DAMP PROOF MEMBRANE:

- Manufacturer and reference: **AltroProof epoxy surface damp proof membrane by Altro Floors.**

At readings between: 75 - 95% R.H. Altroproof Solo 1 coat

95 - 97% R.H. Altroproof Duo 2 coat

- Apply in accordance with manufacturer's instructions.
- **NB: Do not use if subfloor contains underfloor heating.**

541A SHEET UNDERLAY:

- Manufacturer and reference: **Altro Everlay A by Altro Floors.**

Width: **2000 mm**

Thickness: **1.2 mm**

- Set out in same direction as that planned for the sheet floorcovering, with butt joints staggered to avoid seems in floorcovering. Lay loose and flat with no distorting bumps, and cut into perimeter.

541B SHEET UNDERLAY:

- Manufacturer and reference: **Altro Everlay B by Altro Floors.**

Width: **2000 mm**

Thickness: **4 mm**

- Set out in same direction as that planned for the sheet floorcovering, with butt joints staggered to avoid seems in floorcovering. Lay loose and flat with no distorting bumps, and cut into perimeter.

541C SHEET UNDERLAY:

- Manufacturer and reference: **Altro Acoustic Underlay 1101 by Altro Floors.**

Width: **1.15m**

Thickness: **3mm**

- The underlay can be laid in either the same direction or at 90 degrees to the surface material, but with joints not corresponding. Please adhere to manufacturers instructions

560 PLYWOOD UNDERLAY:

- To an approved national standard.

Bonding quality to BS EN 314:Part 2: Class 3

Finish: _____

Thickness: _____ mm.

Sheet size: _____ x _____ mm.

- Ensure that existing floor boards are securely fixed and acceptably level. Remove or fill any gross irregularities. Punch in any protruding fasteners.
- Lay sheets with cross joints staggered such that no joint within the base and underlay is coincident and with a 0.5-1 mm gap between sheets.
- Fix with 25 mm ring shanked or twisted shank nails or divergent staples, commencing at the centre of one side of each sheet, at 150 mm grid centres over the area of each sheet and at 100 mm centres along perimeter, set in 12 mm from edge.
- Ensure that fasteners are driven well in, with heads set flush with surface, and do not project through underside of base. Remove and replace fasteners that deform while being driven.

LAYING COVERINGS

620 **COLOUR CONSISTENCY:** In any one area/room use only coverings from the same production batch to prevent banding or patchiness resulting from colour/flash variation.

640 **ADHESIVE FIXING GENERALLY:**

- Adhesive: when not specified otherwise, type to be as recommended by covering/underlay manufacturer as appropriate or, in the absence of such recommendation, type to be approved.
- Use a primer where recommended by adhesive manufacturer. Allow to dry thoroughly before applying adhesive.
- Spread adhesive evenly and lay covering, pressing down firmly and rolling laterally and transversely (if recommended) to ensure full contact and a good bond overall. Reroll (if recommended) within 30 minutes.
- Remove all surplus adhesive from exposed faces of coverings as the work proceeds.
- Trowel ridges and high spots caused by particles on the substrate will not be accepted.

641B **ADHESIVE FIXING USING ALTROFIX 41:**

- Mix component parts A and B until a uniform consistency is obtained throughout and spread over the substrate as soon as possible and before adhesive thickens.
- Spread evenly with a notched trowel 1.5mm deep x 5mm centres.
- Place floor covering into wet adhesive and expel all trapped air. The material should be rolled after approximately 1 hr to ensure all air pockets have been removed and the floor covering is lying perfectly flat using a 50 kg roller.

670 **BORDERS/FEATURE STRIPS** of sheet material:

- Cut strips along the length of the sheet to prevent curl.
- Mitre joints at corners.

680B **SEAM WELDING:**

- Do not commence welding of coverings until a minimum of 24 hours after laying or until adhesive has completely set.
 - Cut groove, 3 mm wide by $\frac{2}{3}$ the depth of material, evenly along each joint using a grooving tool.
 - Hot-weld using hot air welding gun (fitted with high speed welding nozzle) and Altro welding rod. Select colour of rod to blend with floor covering. Cut off surplus weld rod with spatula. Do not chemical weld.
 - Form neat, smooth, strongly bonded joint, flush with finished surface.
- 720 DOORWAYS: Make joint on centre line of door leaf unless specified otherwise.
- 731A SEALANT:
- Manufacturer and reference: Altromastic 100 by Altro Floors.
 - Location: To all exposed edges of flooring material around all protrusions through floor and pipework as necessary.
- 740 EDGINGS/COVER STRIPS:
- Manufacturer and reference(s): Gradus _____
 - Material/finish: Aluminium / PVC.
 - Fix securely in accordance with manufacturers instructions.
- 750A STAIR NOSINGS:
- Manufacturer and reference(s): Altro _____.
 - Material/finish:
Inserts: Altro safety flooring, colour _____
 - Adhesive: Laybond Gripfill / Similar Approved.
 - Bevelled underlay strips: Gradus: BU200.
Lay under adjacent flooring to provide smooth joint with nosing.
Adhesive: Altrofix 25NF.
 - Fix securely and level with neatly mitred joints. Screw fixing with matching plugs _____ required.
- 751A STAIR TRIM:
- Manufacturer and reference: Altro _____ stairs trim with welded mitre angle by Altro Floors.
 - Material:
Length of each return leg: 360 mm.
Outer angle between treads and risers: ____
 - Fixing: Securely bond with top edge parallel with stair tread. Accurately mitre inner junction of each tread and riser.
Adhesive: Laybond Gripfill / Similar Approved.
- 751B LANDING TRIM:
- Manufacturer and reference: Altro _____.
 - Material:
 - Fixing: Securely bond with top edge straight and aligned with floor. Accurately mitre at corners.
Adhesive: Laybond Gripfill / Similar Approved.

- 760 STAIR COVERINGS: Neatly cut and tightly fit risers first, then treads.
- 761A STAIR COVERINGS: Fit tread and riser in one piece on stairs with coved tread/riser.
- Cove former: Altro Type 20R. Securely bond to base and background with Altrofix 25NF adhesive.
- 770A SET-IN COVERED SKIRTINGS:
- Manufacturer and reference(s): Altro PRCS100.
Size: 100mm high x 25mm wide at base.
Colour: Black 208 / Dove 001 / White WHT
 - Securely bond with top edge straight and parallel with floor. Accurately mitre at corners.
Adhesive: Altrofix 25NF.
 - Hot weld to edge of floor with matching Altro Welding Rod. Do not chemical weld.
 - Seal mitred corners using Altromastic 100.
 - See Altro detail drawing D3.
- 770B SIT-ON COVERED SKIRTINGS:
- Manufacturer and reference(s): Gradus SO 100.
Size: 100 mm high x 19 mm wide at base.
Colour: TBA
 - Seal between wall and floor perimeter with Altromastic 100, prior to fixing skirting.
 - Securely bond with top edge straight and parallel with floor. Accurately mitre at corners.
Adhesive: Altrofix 25NF.
 - See Altro detail drawing D2.
- 771A SELF-COVERED SKIRTINGS - GENERAL:
- Cove former: Altro 38R.
Securely bond to base and background.
 - Turn flooring material up wall and securely bond to cove former and background, with top edge straight.
Accurately mitre at corners.
Height: Minimum 100mm
Top edge: Altro: C7 Capping Seal / C8 Captile Strip / C11 Quarry Tile Seal
 - Adhesive: Altrofix 25NF.
 - Hot weld joints and mitred corners with matching Altro welding rod. Do not chemical weld.
 - See Altro detail D4 (C7) / D5 (C8) D6 (C11)
- 773A JUNCTIONS BETWEEN SELF-COVERED SKIRTINGS AND DOOR FRAMES/ARCHITRAVES: Trim back of cove formers in proximity to door openings, and terminate self-coved skirtings against side of architraves.
- See Altro detail drawing D9.

775A STAIR STRINGER:

- Manufacturer and reference: Altro _____ by Altro Floors.
Thickness: _____ mm
Colour: _____
- Accurately cut to profile of tread and riser. Securely bond to background with top edge straight and parallel to pitch of stairs.
Height: _____ mm, measured normal to stair pitch, from inner junction between tread and riser.
Top edge: _____
Adhesive: Altrofix 25NF.
- Seam welding to treads/risers: Hot-welding with matching Altro welding rod.

780A TRAFFIC: After laying, keep floor covering type M50150B free from traffic until adhesive is set.

COMPLETION

810 CLEANING GENERALLY: Remove all scrap, dust and dirt. Carefully remove adhesive and other marks from coverings and adjacent surfaces, using approved cleaning agents and methods.

831A FINISHING RUBBER FLOORING:

- Mop wash or lightly machine scrub with **Altro 48W cleaner/maintainer** or equivalent. Use medium pads if machine scrubbing.
- Wet vacuum or mop up to remove residue.
- Machine buff using polishing brushes.

831B FINISHING RUBBER FLOORING:

- Machine scrub or mop wash with **AltroClean 44** or an emulsion dressing remover. Use soft pads if machine scrubbing.
- Wet vacuum or mop up to remove residue. Vacuum dry, or mop rinse with clean water and allow to dry.
- Apply two thin coats of **Altro Gloss 211** or equivalent high solid metalised emulsion polish.

870 PROTECTION: Cover flooring with clean dust sheets, or other nonstaining suitable material to prevent damage from dirt and traffic prior to Practical Completion. Ensure any material with printed information on one face is laid with printed face uppermost.

880 WASTE: Retain spare covering material suitable for patching. On completion hand over to Employer pieces selected by CA.