13.00 Floor Finishes

13.01 Colours

Colours of all floor finishes shall form part of the overall colour scheme and maintainability for the building.

Light colours should not be used in high traffic areas or adjacent to external entries.

13.02 Carpet Finishes

Carpet finishes shall be used generally throughout all GU's buildings.

GU has adopted the Autex range of polypropylene sheet and tile carpet finishes as its standard finish.

Carpet by other manufacturers shall not be specified without the approval of PD&C. When considering alternatives to the Autex range of carpet finishes, preference will be given to carpets with post consumer content, has backing made from environmentally friendly materials.

Carpet which is able to be recycled and whose manufacturer has reduced the life cycle impacts of the carpet in its manufacture and distribution, is desirable.

Approved alternatives to the Autex range for all applications currently used on GU projects are Interface ‘Phases’ or Ontera ‘Ultra’ carpet tiles. Contractors should seek alternative tender prices to use either of these products.

Consideration should also be given to using Ontera ‘Earthplus’ recycled carpet tiles depending on application, availability and available colour range.

Only carpet with low VOC levels are acceptable. This level must not exceed 0.5mg/sq/metre/hr and any adhesive must not exceed 10mg/sq/metre/hr.

For individual offices carpet tiles shall be Autex ‘Urbane’ 500 x 500 module tiles.

Carpet to corridors, circulation areas, general offices, all teaching areas and common rooms shall be Autex ‘Widetrack’ or ‘Images’ sheet carpet. The use of continuous ‘Widetrack’ carpet in corridors should be avoided.

Sheet carpet and carpet tiles shall be adhesive fixed with ‘MAPEI 185’ indoors or ‘Autex Fast Tac’ for outdoor applications or approved equal.

Lift car floors shall be covered with ‘Decord’ PVC backed sheet carpet, laid loose.

Broadloom carpet may be permitted in particular limited applications and shall be directly adhesive fixed to the concrete floor. CLF shall be consulted prior to making any decision about Broadloom carpet.

13.03 Vinyl Finishes

Vinyl shall only be used in those areas as noted in the SDF’s, and shall be 2mm thick Tarkett ‘Eminent’ or Armstrong ‘Accolade’.

All vinyl flooring shall comply with the Introductory Guide HB 197:1999 published by CSIRO and Standards Australia, for slip resistance.

Corridors and circulation areas directly connecting laboratories, but not comprising primary circulation through the building, shall have vinyl finish.
All joints shall be welded. Vinyl shall be fixed to floor using adhesive equal in all respects to ‘Polymer 265’.

Vinyl to wet areas such as toilets, cleaner’s rooms, common rooms at servery counters, isolated basins and drinking fountains, shall be an approved non-slip safety sheet vinyl equivalent to ‘Armstrong Accolade Safe Plus’ with a minimum slip resistance of R10.

To wet areas where barefoot use will occur e.g. pool surrounds, change rooms, shower and drying areas, Altro T20 safety flooring shall be used.

Approved anti-static vinyl shall be installed in all areas subject to static electricity discharge eg. TER rooms, bio-boxes etc.

In areas where foot traffic noise may cause disturbance or where the foot surface needs to be softer such as physiotherapy areas where staff and students will be standing/working for long periods, 4mm ‘Acoustifloor’ cushion vinyl may be required.

Concrete floor slabs to receive vinyl flooring shall be properly prepared in accordance with the sheet manufacturer’s printed instructions including grinding to remove ridges and all hollows filled with an approved levelling compound, to provide a clean level surface.

13.04 Vinyl Skirtings

Black vinyl feather-edge skirtings of 150mm height shall be provided to all internal partitions except where walls are tiled or where other floor finishes are turned up walls.

In all laboratories and other wet areas, the flooring shall be coved up the walls to a height of 150mm. Coves shall be to a maximum 25mm radius, and shall be fully backed with a rigid cove former. The height of coved skirtings in toilets and showers shall be determined by the height above f.f.l. of the wall panelling (refer Section 12.00 Wall Finishes, Clause 12.12).

Painted skirtings will not be accepted to any areas.

13.05 Ceramic Tile Finishes

The use of ceramic tiles on floors shall be to the approval of CLF.

Floor tiles shall be anti-slip with dark grout (charcoal or similar) and shall finish level with adjacent finishes. Careful consideration must be given to the colour selection of floor tiles to ensure an acceptable visual appearance of the tiles after cleaning as a result of the anti-slip finish.

Appropriate caulked expansion joints shall be provided as required including the junction of tiles floors with walls. All tile layouts shall be approved by the Superintendent. All tiles shall comply with the following criteria:

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Standard</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface qualities</td>
<td>ISO 10545-2</td>
<td>Length and width + or - 0.6%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Warpage of edges + or - 0.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thickness + or - 0.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wedging + or - 0.6%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Flatness + or - 0.5%</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>ISO 10545-3</td>
<td>&gt; 0.5%</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>ISO 10545-4</td>
<td>≥ 27 N/mm²</td>
</tr>
<tr>
<td>Deep Abrasion</td>
<td>ISO 10545-6</td>
<td>&gt; 205 mm²</td>
</tr>
<tr>
<td>Coefficient of Linear or Thermal</td>
<td>ISO 10545-8</td>
<td>&gt; 9² K⁻¹</td>
</tr>
<tr>
<td>Expansion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resistance to Thermal Shock</td>
<td>ISO 10545-9</td>
<td>No visible defects</td>
</tr>
<tr>
<td>Moisture Expansion</td>
<td>ISO 10545-10</td>
<td>&gt; 0.05%</td>
</tr>
</tbody>
</table>
### 13.06 Nosings, Junctions & Trims

Nosings to edges of tiers and steps in aisles in Lecture Theatres are an illuminated type and are specified in Section 20.00 Electrical Services.

Provide a 50mm x 6mm flat clear anodised edge trim to the junction of the platform and riser in tiered floor Lecture Theatres. The trim is to be screw fixed to the riser at the top edge before the floor coverings are installed.

Junctions of dissimilar floor finishes shall be achieved using brass angles or strips set into the slab. Separation strips are not required between vinyl finishes and carpet tile.

### 13.07 Door Mats

Door mats shall be provided at normal access doors at ground level to the building on the inside of the door. Mats shall be formed by overlaying and double cutting carpet of a similar type and contrasting colour. Mat wells are not required.

### 13.08 Plant Room

Floors to Plant Rooms, Lift Motor Rooms and accessible Service Cupboards shall be painted with an approved paving paint.

### 13.09 Thresholds

Provide an approved tapering clear anodised aluminium threshold at all external doors.

### 13.10 Access Floors

Access floors where required by the Space Description Forms shall be a ‘Unistrut MK.25A’ gridless system as required for the room function.

A 150mm high flat black PVC skirting to be used at the floor perimeter.

### 13.11 Alternative Finishes

Where finishes other than carpet, vinyl or ceramic tile finishes as previously nominated are proposed, full details/data relating to the durability, the cleaning regime and manufacturer’s warranty associated with those finishes must be submitted to CLF for consideration and approval prior to their incorporation into a project.