



OLLSCOIL NA GAILLIMHE  
UNIVERSITY OF GALWAY

2026

## FRAMEWORK FOR FLOORING (Including Maintenance & Repairs)

### Appendix A – Specification Requirements

GALW/BUILD1571/2026

## INTRODUCTION

University of Galway has a continuous and an ongoing requirement to fit new, upgrade existing, repair and maintain existing, and replace existing floor finishes and associated accessories in any or all buildings at various locations under the remit of the university.

University of Galway intends to create a framework consisting of companies that can supply the following floor finishes:

- Entrance and barrier matting together with associated fittings.
- Carpet tiles.
- 80/20 Luxury Carpets.
- Vinyl sheets/tiles.
- Safety Vinyls.

The framework will be divided into three distinct Lots, as follows:

### **Lot 1**

Multi-Party Framework for entrance and barrier matting only.

### **Lot 2**

Multi-Party Framework for Carpet tiles and 80/20 luxury carpets.

### **Lot 3**

Multi-Party Framework for vinyl sheets/tiles and safety vinyls.

This 'Appendix A – Flooring Specification Requirements' document will set out the minimum technical requirements for each flooring type.

A separate, but parallel, 'Appendix B – Pricing Document' will establish the candidates' typical cost rates for various quantities of new, repair/maintain and replacement flooring for each of the different floor types.

All flooring products must have a valid 'CE' mark (Conformité Européenne) to verify that products conform with all EU directives or EU regulations that apply to it.

In many instances, preparatory works will be required as part of the overall service under this framework. Preparatory works may include laying MDF to make up levels, self-levelling compounds, vapour suppressants, adhesives, and the like.

**A HOT WORK PERMIT** must be issued for any flooring work where a person is required to carry out hot work (welding, brazing, or the use of non-explosion proof and / or spark producing equipment in a hazardous area) involving the application of heat. The PERMIT must comply with and be in the form included in this RFT (Doc Ref: EHSOF-24), or latest University of Galway approved revision. It is the responsibility of the framework contractor to obtain the requisite Hot Work Permit.

The framework contractor may only take instruction from the designated project manager in the Buildings and Estates team of University of Galway.

The framework flooring contractor is not permitted to sublet any work to another firm without the formal written consent of the project manager in the Buildings & Estates team of University of Galway.

**LOT 1 – Entrance / Barrier Matting**

GALW/BUILD1571/2026

## **LOT 1 – ENTRANCE / BARRIER MATTING**

Entrance / barrier matting shall be divided into three types, as follows:

### Zone 1 – Primary Barrier Matting

Exterior Entrances & Access Points - The area just before the building access. This area requires a product with scraping action to remove grit and heavy dirt particles, as well as the draining of rain when exposed to the elements.

### Zone 2 – Primary Barrier Matting

Interior Entrances & Access Points - The primary area just inside the building. This area requires a product with dual action for dirt scraping and moisture retention, to prevent floor contamination. This area often features a recessed matwell.

### Zone 3 – Secondary Barrier Matting

Interior Circulation Areas and Some Interior Entrances & Access Points - The secondary area inside the building, after Zone 2. This area requires a textile product for moisture retention. This is also applicable to circulation areas within the building.

All three types of entrance/barrier matting shall apply to this lot of the framework.

All entrance and barrier matting shall comply with the relevant requirements of:

- BS 7953:1999 - Entrance Flooring Systems – Selection, Installation and Maintenance.
- Building Regulations - Technical Guidance Document M - Access and Use (2010).

Every effort must be made to match the existing entrance/barrier matting material where partial replacement or repair is to be carried out. A product and colour sample must be demonstrated to the designated Project Manager in the Buildings & Estates Team of University of Galway and approved by University of Galway prior to proceeding with any repair or replacement work.

Where hot work is required, a **HOT WORK PERMIT** must be obtained from University of Galway and formally approved by University of Galway prior to commencing any work. It is the responsibility of the framework contractor to obtain the requisite Hot Work Permit.

**Circular Economy:** When existing entrance/barrier matting material is being removed, the framework contractor must send the material to an appropriate recycling centre where each product is capable of being returned to use through a ‘**Re-Entry Scheme**’ and be reused as raw material for new floor materials or other useable product. University of Galway reserves the right to seek certification for any or all flooring materials under such a ‘**Re-Entry Scheme**’.

**ZONE 1 ENTRANCE / BARRIER MATTING – MINIMUM SPECIFICATION REQUIREMENTS**

|                            |                                                                         |  |
|----------------------------|-------------------------------------------------------------------------|--|
| <b>Product Description</b> | Tufted cut pile textile inserts bonded in UV resistant PVC tile carrier |  |
|----------------------------|-------------------------------------------------------------------------|--|

|                 |                                           |
|-----------------|-------------------------------------------|
| Wear resistance | Severe                                    |
| Total thickness | Approx. 16 mm                             |
| Total weight    | Approx. 10 280 gr/m <sup>2</sup> (+/- 5%) |

|                       |                     |                                                                           |
|-----------------------|---------------------|---------------------------------------------------------------------------|
| <b>Textile Insert</b> | Yarn Composition    | 100% Econyl <sup>®</sup> regenerated solution dyed polyamide monofilament |
|                       | Construction        | Cut-pile.                                                                 |
|                       | Tuft method         | Straight tufted                                                           |
|                       | Pile height         | Approx. 13 mm                                                             |
|                       | Total fabric weight | Approx. 1020 grams/m <sup>2</sup>                                         |

|                                |       |                  |
|--------------------------------|-------|------------------|
| <b>Textile Colour Fastness</b> | Light | 8 to ISO 105-B01 |
|--------------------------------|-------|------------------|

|                          |             |                                      |
|--------------------------|-------------|--------------------------------------|
| <b>Tile Construction</b> | Structure   | Open construction                    |
|                          | Composition | 100% recyclable and UV resistant PVC |

|                            |                 |                                 |
|----------------------------|-----------------|---------------------------------|
| <b>Performance Testing</b> | Flammability    | Low radius of effect to BS 4790 |
|                            | Wear Resistance | Severe - Pass at 66,000 cycles. |
|                            | Slip Resistance | 0.48 to EN 13893                |

|                  |         |                            |
|------------------|---------|----------------------------|
| <b>Tile size</b> | Nominal | 200 x 200 mm or no greater |
|------------------|---------|----------------------------|

|                                     |                        |     |
|-------------------------------------|------------------------|-----|
| <b>Environmental Specifications</b> | LEED Point Contributor | Yes |
|-------------------------------------|------------------------|-----|

|                 |           |                  |
|-----------------|-----------|------------------|
| <b>Warranty</b> | Certified | 10 Years minimum |
|-----------------|-----------|------------------|

|                               |            |                            |
|-------------------------------|------------|----------------------------|
| <b>Manufacturing Location</b> | Facilities | ISO 9001 & 14001 certified |
|-------------------------------|------------|----------------------------|

**ZONE 2 ENTRANCE / BARRIER MATTING – MINIMUM SPECIFICATION REQUIREMENTS**

|                                |                                        |                                                                                              |
|--------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Modular Grid Entrance Barrier Flooring |                                                                                              |
|                                | Wear resistance                        | Severe (for both foot and wheeled traffic)                                                   |
|                                | Total thickness                        | Approx. 17.5 mm (or 12.5 mm for raised mats)                                                 |
|                                | Total weight                           | Approx. 10 655 gr/m <sup>2</sup> (+/- 2%)                                                    |
| <b>Textile Insert</b>          | Yarn Type                              | Econyl 100% regenerated polyamide, twisted and heat set multi- and monofilaments dual fibres |
|                                | Construction                           | Cut-pile on non-woven polyester                                                              |
|                                | Tuft method                            | Straight tufted at 5/32 gauge (open construction)                                            |
|                                | Pile height                            | Approx. 7.3 mm                                                                               |
|                                | Total fabric weight                    | Approx. 1100 grams/m <sup>2</sup>                                                            |
| <b>Textile Colour Fastness</b> | Dyeing method                          | High definition digital dye injection technology                                             |
|                                | Light                                  | >6 to ISO 105-B01                                                                            |
|                                | Rubbing                                | 5 to ISO 105-X12                                                                             |
|                                | Water                                  | 5 to ISO 105-E01                                                                             |
|                                | Seawater                               | 5 to ISO 105-E02                                                                             |
|                                | Shampoo                                | 5 to BS 1006)                                                                                |
|                                | Organic Solvents                       | 5 to ISO 105-X05                                                                             |
| <b>Grid Construction</b>       | Structure                              | Closed construction                                                                          |
|                                | Composition                            | 100% recyclable and UV resistant PVC                                                         |
|                                | Temperature resistance                 | From -30°C up to +50°C                                                                       |
|                                | Mass                                   | Approx. 7525 gr/m <sup>2</sup>                                                               |
|                                | Grid thickness                         | Approx. 16 mm                                                                                |
| <b>Performance Testing</b>     | Fire Classification                    | Cfl-s1 to EN ISO 13501                                                                       |
|                                | Wear Resistance                        | Severe - Pass at 66,000 cycles                                                               |
| <b>Individual grid size</b>    | Nominal                                | 210 x 210 mm (approx.)                                                                       |
| <b>Warranty</b>                | Certified                              | 10 Years minimum                                                                             |
| <b>Manufacturing Location</b>  | Facilities                             | ISO 9001 & 14001 certified                                                                   |

**ZONE 3 ENTRANCE / BARRIER MATTING – MINIMUM SPECIFICATION REQUIREMENTS**

|                                     |                                                        |                                                            |
|-------------------------------------|--------------------------------------------------------|------------------------------------------------------------|
| <b>Product Description</b>          | Tufted cut pile on non-woven polyester primary backing |                                                            |
|                                     | Wear resistance                                        | 32 – Suitable for commercial use                           |
|                                     | Total thickness                                        | Approx. 12 mm                                              |
|                                     | Total weight                                           | Approx. 4 600 gr/m <sup>2</sup> (+/- 5%)                   |
| <b>Textile Insert</b>               | Yarn Type                                              | 100% Econyl® regenerated polyamide BCF                     |
|                                     | Construction                                           | Twisted and heat set dual fibres - multi and monofilaments |
|                                     | Tuft method                                            | Straight tufted at 5/32 gauge (open construction)          |
|                                     | Pile height                                            | Approx. 6.4 mm                                             |
|                                     | Pile Density                                           | 0,129g/cm cu                                               |
|                                     | Total fabric weight                                    | Approx. 1100 grams/m <sup>2</sup>                          |
| <b>Textile Colour Fastness</b>      | Light Resistance                                       | >6 to ISO 105-B01                                          |
|                                     | Rubbing Resistance                                     | 4.5 to ISO 105-X12                                         |
|                                     | Water Resistance                                       | 4.5 to ISO 105-E01                                         |
|                                     | Shampoo fastness                                       | 4.5 to BS 1006                                             |
|                                     | Organic Solvents                                       | 5 to ISO 105-X05                                           |
| <b>Grid Construction</b>            | Structure                                              | Closed construction                                        |
|                                     | Composition                                            | 100% recyclable and UV resistant PVC                       |
|                                     | Temperature resistance                                 | From -30°C up to +50°C                                     |
|                                     | Mass                                                   | Approx. 7525 gr/m <sup>2</sup>                             |
|                                     | Grid thickness                                         | Approx. 16 mm                                              |
| <b>Performance Testing</b>          | Fire Classification                                    | Cfl-s1 to EN ISO 13501                                     |
| <b>Individual tile size</b>         | Nominal                                                | 457 x 457 mm (approx.)                                     |
| <b>Environmental Specifications</b> | LEED Point Contributor                                 | Yes                                                        |
| <b>Warranty</b>                     | Certified                                              | 5 Years minimum                                            |
| <b>Manufacturing Location</b>       | Facilities                                             | ISO 9001 & 14001 certified                                 |

**LOT 2 – Carpet tiles and 80/20 Luxury Carpets**

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## LOT 2 – CARPET TILES AND WOVEN LUXURY CARPETS

Carpet tiles shall be divided into three types, as follows:

### Entry-Level (cost) Carpet Tiles

These heavy contract carpet tiles will typically be required by the university in modular office areas and the like where a heavier pile thickness is not a necessity and where a wide range of colours and cost effectiveness are considerations.

### Mid-Level (cost) Carpet Tiles

These heavy contract carpet tiles will typically be required by the university in open-plan office areas, theatres, lightly trafficked circulation areas and the like, where a heavier pile thickness is required.

### Luxury-Level (cost) Carpet Tiles

These heavy contract carpet tiles will typically be required by the university in management offices, board rooms, lightly used/trafficked rooms and the like, where a softer more luxury pile quality is required.

All three types of carpet tiles shall apply to this lot of the framework, which will give University of Galway options in the quality and cost of carpet tiles for any future projects.

All carpet tiles shall comply with the relevant requirements of:

- BS EN 14041:2018 - Resilient, textile, laminate and modular multilayer floor coverings. Essential characteristics.
- Building Regulations - Technical Guidance Document M - Access and Use (2010).

### Woven Luxury Carpets

The woven luxury carpet range will be required in isolated areas such as executive offices, board rooms, lecture theatres, and the like. The carpets will be equivalent in quality to the traditional woven carpets of Axminster and Wilton. Woven luxury carpets must comply with BS EN 14041:2018 - Resilient, textile, laminate and modular multilayer floor coverings. Essential characteristics.

Every effort must be made to match the existing flooring material where partial replacement or repair is to be carried out. A product and colour sample must be demonstrated to the designated Project Manager in the Buildings & Estates Team of University of Galway and approved by University of Galway prior to proceeding with any repair or replacement work.

Where hot work is required, a HOT WORK PERMIT must be obtained from University of Galway and formally approved by University of Galway prior to commencing any work. It is the responsibility of the framework contractor to obtain the requisite Hot Work Permit.

**Circular Economy:** When existing flooring material is being removed, the framework contractor must send the material to an appropriate recycling centre where each product is capable of being returned to use through a ‘**Re-Entry Scheme**’ and be reused as raw material for new floor materials or other useable product. The University of Galway reserves the right to seek certification for any or all flooring materials under such a ‘**Re-Entry Scheme**’.

## ENTRY-LEVEL CARPET TILES – MINIMUM SPECIFICATION REQUIREMENTS

|                                               |                               |                                                                 |
|-----------------------------------------------|-------------------------------|-----------------------------------------------------------------|
| <b>Product Specification</b>                  | Product Construction          | Tufted Plain Level Loop Pile Carpet Tile                        |
|                                               | Yarn System                   | 100% Recycled Solution Dyed Nylon                               |
|                                               | Standard Backing              | Graphlex or similar                                             |
|                                               | Optional Backing(s)           | ReCushion Bac ,SONE or similar                                  |
|                                               | Size – Packaging              | 50 x 50 cm – 5 m <sup>2</sup> Box                               |
|                                               | Pile Yarn Weight              | 535 g/m <sup>2</sup> ± 5%                                       |
|                                               | Total Weight                  | 3889 g/m <sup>2</sup> ± 5%                                      |
|                                               | Pile Height                   | 2.5 mm +15% / - 10%                                             |
|                                               | Total Thickness               | 5.9 mm ± 0.5 mm                                                 |
|                                               | Gauge Ends per 10 cm          | 1/10 - 39.4                                                     |
|                                               | Tufts per m <sup>2</sup>      | 157,600/m <sup>2</sup> ±5%                                      |
| <b>Performance Specifications</b>             | Wear Classification           | EN 1307 33 Heavy Contract                                       |
|                                               | Castor Chair Rating           | ≥2.4 (EN 985) Continuous Use                                    |
|                                               | Flammability                  | (EN ISO 9239-1) Euroclass Cfl-s1 (EN 13501-1)                   |
|                                               | Light Fastness                | (≥7 (ISO 105-B02)                                               |
|                                               | Light Reflectance Value (LRV) | LRV – L value = 24.6 and LRV – Y value = 4.3                    |
|                                               | Dimensional Stability         | ≤0.2% (ISO 2551/EN 986)                                         |
|                                               | Impact Sound Insulation       | 23 dB to EN ISO 10140-3                                         |
|                                               | Rating of Sound Absorption    | 0.23 to ISO 11654                                               |
|                                               | Sound Absorption              | 125 Hz - 0.00 (all to EN ISO 354)                               |
|                                               |                               | 250 Hz - 0.02                                                   |
| <b>Environmental Specifications</b>           | Total Recycled Content        | 64.77% - Pre-Consumer (Total)                                   |
|                                               |                               | 6.85% - Post-Consumer (Total)                                   |
|                                               | Yarn Recycled Content         | 100%                                                            |
|                                               | Indoor Air Quality            | LEED credit EQ 4.3 or GUT Prodis Certification                  |
|                                               | BREEAM Contribution           | A+ (Education)                                                  |
| <b>Carbon Footprint</b><br>(According to EPD) | Raw Materials & Prod.         | 6.42 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Delivery and Installation     | 0.65 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Use (10 Years)                | 2.90 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | End of Life                   | 8.17 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Total footprint               | 18.14 kg CO <sub>2</sub> eq./m <sup>2</sup> (10 Years Lifetime) |

|                               |                |                                                                                                       |
|-------------------------------|----------------|-------------------------------------------------------------------------------------------------------|
| <b>Adhesion</b>               | TacTiles       | Must be optimised for glue-free installation with TacTiles connectors with virtually zero VOCs        |
| <b>End of Life Options</b>    | Recycling      | Capable of being returned through a Re-Entry scheme and be reused as raw material in new carpet tiles |
| <b>Warranty</b>               | Certified      | 15 Years minimum                                                                                      |
| <b>Manufacturing Location</b> | Facilities     | ISO 9001 & 14001 certified                                                                            |
| <b>Colours</b>                | Minimum choice | Carpet tile range proposed must have a minimum of 20 different in-stock colours to choose from        |

## MID-LEVEL CARPET TILES – MINIMUM SPECIFICATION REQUIREMENTS

|                              |                          |                                                   |
|------------------------------|--------------------------|---------------------------------------------------|
| <b>Product Specification</b> | Product Construction     | Tufted Patterned Structured Loop Pile Carpet Tile |
|                              | Yarn System              | 100% Solution Dyed Nylon                          |
|                              | Standard Backing         | Graphlex or similar                               |
|                              | Optional Backing(s)      | ReCushion Bac ,SONE or similar                    |
|                              | Size – Packaging         | 50 x 50 cm – 4 m <sup>2</sup> Box                 |
|                              | Pile Yarn Weight         | 583 g/m <sup>2</sup> ± 5%                         |
|                              | Total Weight             | 4234 g/m <sup>2</sup> ± 5%                        |
|                              | Pile Height              | 3.8 mm +15% / - 10%                               |
|                              | Total Thickness          | 7.2 mm ± 0.5 mm                                   |
|                              | Gauge Ends per 10 cm     | 1/12 - 47.2                                       |
|                              | Tufts per m <sup>2</sup> | 165,200/m <sup>2</sup> ±5%                        |

|                                   |                               |                                               |
|-----------------------------------|-------------------------------|-----------------------------------------------|
| <b>Performance Specifications</b> | Wear Classification           | EN 1307 33 Heavy Contract                     |
|                                   | Castor Chair Rating           | ≥2.4 (EN 985) Continuous Use                  |
|                                   | Flammability                  | (EN ISO 9239-1) Euroclass Bfl-s1 (EN 13501-1) |
|                                   | Light Fastness                | (≥7 (ISO 105-B02)                             |
|                                   | Light Reflectance Value (LRV) | LRV – L value = 30.8 and LRV – Y value = 6.6  |
|                                   | Dimensional Stability         | ≤0.2% (ISO 2551/EN 986)                       |
|                                   | Impact Sound Insulation       | 25 dB to EN ISO 10140-3                       |
|                                   | Rating of Sound Absorption    | 0.20 to ISO 11654                             |
|                                   | Sound Absorption              | 125 Hz - 0.01 (all to EN ISO 354)             |
|                                   |                               | 250 Hz - 0.05                                 |
|                                   |                               | 500 Hz - 0.08                                 |
|                                   |                               | 1000 Hz - 0.22                                |
|                                   |                               | 2000 Hz - 0.34                                |
|                                   |                               | 4000 Hz - 0.44                                |

|                                     |                        |                                                |
|-------------------------------------|------------------------|------------------------------------------------|
| <b>Environmental Specifications</b> | Total Recycled Content | 47.2% - Pre-Consumer (Total)                   |
|                                     |                        | 0% - Post-Consumer (Total)                     |
|                                     | Yarn Recycled Content  | 0%                                             |
|                                     | Indoor Air Quality     | LEED credit EQ 4.3 or GUT Prodis Certification |
|                                     | BREEAM Contribution    | A+                                             |

|                                               |                           |                                                                 |
|-----------------------------------------------|---------------------------|-----------------------------------------------------------------|
| <b>Carbon Footprint</b><br>(According to EPD) | Raw Materials & Prod.     | 8.55 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Delivery and Installation | 0.66 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Use (10 Years)            | 3.24 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | End of Life               | 5.81 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Total footprint           | 18.26 kg CO <sub>2</sub> eq./m <sup>2</sup> (10 Years Lifetime) |

|                 |          |                                                                                                |
|-----------------|----------|------------------------------------------------------------------------------------------------|
| <b>Adhesion</b> | TacTiles | Must be optimised for glue-free installation with TacTiles connectors with virtually zero VOCs |
|-----------------|----------|------------------------------------------------------------------------------------------------|

|                            |           |                                                                                                       |
|----------------------------|-----------|-------------------------------------------------------------------------------------------------------|
| <b>End of Life Options</b> | Recycling | Capable of being returned through a Re-Entry scheme and be reused as raw material in new carpet tiles |
|----------------------------|-----------|-------------------------------------------------------------------------------------------------------|

|                 |           |                  |
|-----------------|-----------|------------------|
| <b>Warranty</b> | Certified | 15 Years minimum |
|-----------------|-----------|------------------|

|                               |            |                            |
|-------------------------------|------------|----------------------------|
| <b>Manufacturing Location</b> | Facilities | ISO 9001 & 14001 certified |
|-------------------------------|------------|----------------------------|

## LUXURY-LEVEL CARPET TILES – MINIMUM SPECIFICATION REQUIREMENTS

|                                               |                               |                                                                 |
|-----------------------------------------------|-------------------------------|-----------------------------------------------------------------|
| <b>Product Specification</b>                  | Product Construction          | Tufted Patterned Textured Cut Pile                              |
|                                               | Yarn System                   | 100% Recycled Nylon                                             |
|                                               | Standard Backing              | Graphlex or similar                                             |
|                                               | Optional Backing(s)           | ReCushion Bac ,SONE or similar                                  |
|                                               | Size – Packaging              | 50 x 50 cm – 4 m <sup>2</sup> Box                               |
|                                               | Pile Yarn Weight              | 1365 g/m <sup>2</sup> ± 5%                                      |
|                                               | Total Weight                  | 4804 g/m <sup>2</sup> ± 5%                                      |
|                                               | Pile Height                   | 6 mm +15% / - 10%                                               |
|                                               | Total Thickness               | 10 mm ± 0.5 mm                                                  |
|                                               | Gauge Ends per 10 cm          | 1/10 - 39.4                                                     |
|                                               | Tufts per m <sup>2</sup>      | 172,200/m <sup>2</sup> ±5%                                      |
| <b>Performance Specifications</b>             | Wear Classification           | EN 1307 33 Heavy Contract                                       |
|                                               | Castor Chair Rating           | ≥2.4 (EN 985) Continuous Use                                    |
|                                               | Flammability                  | (EN ISO 9239-1) Euroclass Bfl-s1 (EN 13501-1)                   |
|                                               | Light Fastness                | (≥7 (ISO 105-B02)                                               |
|                                               | Light Reflectance Value (LRV) | LRV – L value = 56.9 and LRV – Y value = 24.8                   |
|                                               | Dimensional Stability         | ≤0.2% (ISO 2551/EN 986)                                         |
|                                               | Impact Sound Insulation       | 30 dB to EN ISO 10140-3                                         |
|                                               | Rating of Sound Absorption    | 0.20 to ISO 11654                                               |
|                                               | Sound Absorption              | 125 Hz - 0.02 (all to EN ISO 354)                               |
|                                               |                               | 250 Hz - 0.06                                                   |
| <b>Environmental Specifications</b>           | Total Recycled Content        | 53.44% - Pre-Consumer (Total)<br>14.09% - Post-Consumer (Total) |
|                                               | Yarn Recycled Content         | 100%                                                            |
|                                               | Indoor Air Quality            | LEED credit EQ 4.3 or GUT Prodis Certification                  |
|                                               | BREEAM Contribution           | A+                                                              |
|                                               |                               |                                                                 |
| <b>Carbon Footprint</b><br>(According to EPD) | Raw Materials & Prod.         | 10.1 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Delivery and Installation     | 1.02 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Use (10 Years)                | 3.32 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | End of Life                   | 6.68 kg CO <sub>2</sub> eq./m <sup>2</sup>                      |
|                                               | Total footprint               | 21.1 kg CO <sub>2</sub> eq./m <sup>2</sup> (10 Years Lifetime)  |

|                 |          |                                                                                                |
|-----------------|----------|------------------------------------------------------------------------------------------------|
| <b>Adhesion</b> | TacTiles | Must be optimised for glue-free installation with TacTiles connectors with virtually zero VOCs |
|-----------------|----------|------------------------------------------------------------------------------------------------|

|                            |           |                                                                                                       |
|----------------------------|-----------|-------------------------------------------------------------------------------------------------------|
| <b>End of Life Options</b> | Recycling | Capable of being returned through a Re-Entry scheme and be reused as raw material in new carpet tiles |
|----------------------------|-----------|-------------------------------------------------------------------------------------------------------|

|                 |           |                  |
|-----------------|-----------|------------------|
| <b>Warranty</b> | Certified | 15 Years minimum |
|-----------------|-----------|------------------|

|                               |            |                            |
|-------------------------------|------------|----------------------------|
| <b>Manufacturing Location</b> | Facilities | ISO 9001 & 14001 certified |
|-------------------------------|------------|----------------------------|

## WOVEN LUXURY CARPETS – MINIMUM SPECIFICATION REQUIREMENTS

|                                               |                           |                                                                                           |
|-----------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------|
| <b>Product Specification</b>                  | Product Construction      | Traditional woven carpet                                                                  |
|                                               | Yarn System               | 80% Wool and 20% Nylon                                                                    |
|                                               | Standard Backing          | Polypropylene                                                                             |
|                                               | Optional Backing(s)       | Polypropylene, Polyester and cotton                                                       |
|                                               | Pitch                     | 27.56 per DM $\pm$ 5%                                                                     |
|                                               | Rows                      | 35.43 per DM $\pm$ 5%                                                                     |
|                                               | Pile height above backing | 6.35mm $\pm$ 10%                                                                          |
|                                               | Total Pile Height         | 8.89mm $\pm$ 10%                                                                          |
|                                               | Effective Pile Weight     | 931 g/ m <sup>2</sup> $\pm$ 10%                                                           |
|                                               | Total Pile Weight         | 1255 g/ m <sup>2</sup> $\pm$ 10%                                                          |
|                                               | Total Carpet Weight       | 2004 g/ m <sup>2</sup> $\pm$ 15%                                                          |
|                                               | Tufts per m <sup>2</sup>  | 97,650/m <sup>2</sup> $\pm$ 7.5%                                                          |
|                                               | Yarn Count                | R674/tec2 $\pm$ 3%                                                                        |
| <b>Performance Specifications</b>             | Wear Index                | 5 – Extra Heavy Wear                                                                      |
|                                               | Appearance Retention      | Grade 3 to BS 6659                                                                        |
|                                               | Flammability              | (EN ISO 9239-1) Euroclass Cfl S1                                                          |
|                                               | Colour Fastness           |                                                                                           |
|                                               | - Light                   | ISO 105-B02 – Minimum 5                                                                   |
|                                               | - Shampooing              | BS1006 – Minimum 4                                                                        |
|                                               | - Water                   | BS EN ISO 105-E01 – Minimum 4                                                             |
|                                               | - Rubbing                 | BS EN ISO 105-X12 (BS1006) – Minimum 3-4                                                  |
|                                               | Tuft Retention            | ISO 4919 – Min 600/gm/f                                                                   |
| <b>Environmental Specifications</b>           | VOC Emissions             | GLP3278 Approved or similar                                                               |
|                                               |                           |                                                                                           |
| <b>Carbon Footprint</b><br>(According to EPD) | Raw Materials & Prod.     | 8.55 kg CO <sub>2</sub> eq./m <sup>2</sup>                                                |
|                                               | Delivery and Installation | 0.66 kg CO <sub>2</sub> eq./m <sup>2</sup>                                                |
|                                               | Use (10 Years)            | 3.24 kg CO <sub>2</sub> eq./m <sup>2</sup>                                                |
|                                               | End of Life               | 5.81 kg CO <sub>2</sub> eq./m <sup>2</sup>                                                |
|                                               | Total footprint           | 18.26 kg CO <sub>2</sub> eq./m <sup>2</sup> (10 Years Lifetime)                           |
| <b>Warranty</b>                               | Certified                 | 15 Years minimum                                                                          |
|                                               |                           |                                                                                           |
| <b>Manufacturing</b>                          | Facilities                | ISO 9001 & 14001 certified                                                                |
|                                               |                           |                                                                                           |
| <b>Colours</b>                                | Minimum choice            | Carpet tile range proposed must have min. of 20 different in-stock colours to choose from |
|                                               |                           |                                                                                           |

### **LOT 3 – Vinyl Sheets/Tiles and Safety Vinyls**

GALW/BUILD1571/2026

### LOT 3 – VINYL SHEETS/Tiles AND SAFETY VINYL

Vinyl sheets in general shall be divided into three types, as follows:

#### Vinyl Sheets/Tiles

General use throughout all buildings in high-traffic areas such as general corridors areas, offices, classrooms, lecture rooms, and other such rooms where slip resistance is not a primary concern. This could include sanitary accommodation and stairs in some instances again, where slip resistance is not a primary concern.

#### R10 Safety Vinyl Sheets

General use throughout all buildings in high-traffic areas where slip-resistance, durability and hygienic conditions are required. This could include sanitary accommodation and stairs in some instances again, where slip resistance is applicable. The surface treatment of the R10 safety vinyl must cater for extreme resistance to soiling and staining.

#### R12 Safety Vinyl Sheets

General use throughout all buildings in high-traffic areas where a greater slip-resistance, durability and hygienic conditions are required. This could include sanitary accommodation and stairs in some instances again, where slip resistance is applicable. The surface treatment of the R12 safety vinyl must cater for extreme resistance to soiling and staining.

All vinyl sheets/Tiles shall comply with the relevant requirements of:

- BS EN 14041:2018 - Resilient, textile, laminate and modular multilayer floor coverings. Essential characteristics.
- Building Regulations - Technical Guidance Document M - Access and Use (2010).

All vinyl sheets/Tiles must have fully compatible tactile warning sheets/Tiles, cove formers and stair nosings.

Every effort must be made to match the existing flooring material where partial replacement or repair is to be carried out. A product and colour sample must be demonstrated to the designated Project Manager in the Buildings & Estates Team of University of Galway and approved by University of Galway prior to proceeding with any repair or replacement work.

Where hot work is required, a HOT WORK PERMIT must be obtained from University of Galway and formally approved by University of Galway prior to commencing any work. It is the responsibility of the framework contractor to obtain the requisite Hot Work Permit.

**Circular Economy:** When existing flooring material is being removed, the framework contractor must send the material to an appropriate recycling centre where each product is capable of being returned to use through a ‘**Re-Entry Scheme**’ and be reused as raw material for new floor materials or other usable product. The University of Galway reserves the right to seek certification for any or all flooring materials under such a ‘**Re-Entry Scheme**’.

## VINYL SHEETS/TILES – MINIMUM SPECIFICATION REQUIREMENTS

**Product Description** Multi-layered, recyclable, calendered and pressed acoustic PVC sheet/tile.

|                      |                               |
|----------------------|-------------------------------|
| Total thickness      | 2.00mm (EN ISO 24346)         |
| Wear layer thickness | > 1mm (EN ISO 24340)          |
| Weight               | 2580-2680g/sqm (EN ISO 23997) |
| Width of sheet/tile  | 2000mm/600mm (EN ISO 24341)   |
| Length of sheet/tile | 20,000mm/600mm (EN ISO 24341) |

|                       |                              |                              |
|-----------------------|------------------------------|------------------------------|
| <b>Classification</b> | Product specification        | EN ISO 10582                 |
|                       | European classific'          | Class 34 -43 to EN ISO 10874 |
|                       | Fire rating                  | Class Bfl-s1 to EN 13 501-1  |
|                       | Static electrical propensity | < 2 kV to EN 1815            |
|                       | Slip resistance              | Class R10 to EN 16165 app B  |
|                       | Acoustic Value               | ≥6dB                         |

|                     |                              |                                       |
|---------------------|------------------------------|---------------------------------------|
| <b>Performances</b> | Wear resistance              | < 2.0 mm <sup>3</sup> to EN 660.2     |
|                     | Wear group                   | Group T to NF 189                     |
|                     | Type binder content          | Type I to EN ISO 10582                |
|                     | Dimensional stability        | ≤ 0.40% to EN ISO 23999               |
|                     | Residual indentation         | ≈ 0.02mm to EN ISO 24343-1            |
|                     | Castor chair test            | OK to ISO 4918                        |
|                     | Thermal conductivity         | 0.25W/(m.K) to EN ISO 10456           |
|                     | Colour fastness              | ≥ 6 degree to EN 20 105 - B02         |
|                     | Surface treatment            | Evercare or similar                   |
|                     | Chemical products resistance | OK to EN ISO 26987                    |
|                     | Anti-bacterial activity      | > 99 % inhibits growth to ISO 16000-6 |

|                       |                    |                                      |
|-----------------------|--------------------|--------------------------------------|
| <b>Sustainability</b> | TVOC after 28 days | < 10µg/m <sup>3</sup> to ISO 16000-6 |
|                       | Certification      | Floorscore or similar                |
|                       | Recycling Rate     | 100%                                 |
|                       | Recycled content   | >12.5%                               |

|                   |               |          |
|-------------------|---------------|----------|
| <b>CE Marking</b> | Certification | EN 14041 |
|-------------------|---------------|----------|

|                 |           |                  |
|-----------------|-----------|------------------|
| <b>Warranty</b> | Certified | 10 Years minimum |
|-----------------|-----------|------------------|

|                               |            |                            |
|-------------------------------|------------|----------------------------|
| <b>Manufacturing Location</b> | Facilities | ISO 9001 & 14001 certified |
|-------------------------------|------------|----------------------------|

## R10 SAFETY VINYL SHEETS – MINIMUM SPECIFICATION REQUIREMENTS

|                               |                                                                                                                                  |                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Product Description</b>    | Slip resistant sheet floor covering constructed from vinyl with a dense concentration of deeply inlaid mineral crystal particles |                                            |
|                               | Total thickness                                                                                                                  | 2.00mm (EN 428)                            |
|                               | Wearlayer thickness                                                                                                              | > 1.16mm (EN 429)                          |
|                               | Weight                                                                                                                           | 2610 g/sqm (EN 430)                        |
|                               | Width of sheet                                                                                                                   | 2000mm (EN 426)                            |
|                               | Length of sheet                                                                                                                  | 20,000mm (EN 426)                          |
| <b>Classification</b>         | Product specification                                                                                                            | EN 649                                     |
|                               | European classific'                                                                                                              | Class 34 -43 to EN 685                     |
|                               | Fire rating                                                                                                                      | Class Bfl-s1 to EN 13 501-1                |
|                               | Static electrical propensity                                                                                                     | < 2 kV to EN 1815                          |
|                               | Slip resistance wet                                                                                                              | Class R10 to DIN 51 130 ramp test with oil |
|                               | Acoustic Value                                                                                                                   | ≥6dB                                       |
| <b>Performances</b>           | Wear resistance                                                                                                                  | < 2.0mm <sup>3</sup> to EN 660.2           |
|                               | Wear group                                                                                                                       | Group T to EN 649                          |
|                               | Dimensional stability                                                                                                            | ≤ 0.40% to EN 434                          |
|                               | Residual indentation                                                                                                             | ≥ 0.10mm to EN 433                         |
|                               | Thermal conductivity                                                                                                             | 0.25W/(m.K) to EN 12524                    |
|                               | Colour fastness                                                                                                                  | ≥ 6 degree to EN 20 105 - B02              |
|                               | Surface treatment                                                                                                                | Evercare or similar                        |
|                               | Chemical products resistance                                                                                                     | OK to EN 423                               |
|                               | Anti-bacterial and fungicidal treatment                                                                                          | Sanosol or similar                         |
|                               |                                                                                                                                  |                                            |
| <b>Sustainability</b>         | TVOC after 28 days                                                                                                               | < 10µg/m <sup>3</sup> to ISO 16000-6       |
|                               | Certification                                                                                                                    | Floorscore or similar                      |
|                               | Recycling Rate                                                                                                                   | 100%                                       |
|                               | Recycled content                                                                                                                 | >12.5%                                     |
| <b>CE Marking</b>             | Certification                                                                                                                    | EN 14041                                   |
|                               |                                                                                                                                  |                                            |
| <b>Warranty</b>               | Certified                                                                                                                        | 12 Years minimum                           |
| <b>Manufacturing Location</b> | Facilities                                                                                                                       | ISO 9001 & 14001 certified                 |
|                               |                                                                                                                                  |                                            |

## R12 SAFETY VINYL SHEETS – MINIMUM SPECIFICATION REQUIREMENTS

**Product Description** Slip resistant sheet floor covering constructed from vinyl with a dense concentration of deeply inlaid mineral crystal particles.

|                      |                     |
|----------------------|---------------------|
| Total thickness      | 2.20mm (EN 428)     |
| Wear layer thickness | > 1.12mm (EN 429)   |
| Weight               | 2880 g/sqm (EN 430) |
| Width of sheet       | 2000mm (EN 426)     |
| Length of sheet      | 20,000 (EN 426)     |

|                       |                              |                                            |
|-----------------------|------------------------------|--------------------------------------------|
| <b>Classification</b> | Product specification        | EN 649                                     |
|                       | European classification      | Class 34 -43 to EN 685                     |
|                       | Fire rating                  | Class Bfl-s1 to EN 13 501-1                |
|                       | Static electrical propensity | < 2 kV to EN 1815                          |
|                       | Slip resistance wet          | Class R12 to DIN 51 130 ramp test with oil |
|                       | Acoustic value               | ≥6bB                                       |

|                     |                                         |                                  |
|---------------------|-----------------------------------------|----------------------------------|
| <b>Performances</b> | Wear resistance                         | < 2.0mm <sup>3</sup> to EN 660.2 |
|                     | Wear group                              | Group T to EN 649                |
|                     | Dimensional stability                   | ≤ 0.40% to EN 434                |
|                     | Residual indentation                    | ≈ 0.10mm to EN 433               |
|                     | Thermal conductivity                    | 0.25W/(m.K) to EN 12524          |
|                     | Colour fastness                         | ≥ 6 degree to EN 20 105 - B02    |
|                     | Surface treatment                       | Evercare or similar              |
|                     | Chemical products resistance            | OK to EN 423                     |
|                     | Anti-bacterial and fungicidal treatment | Sanosol or similar               |

|                       |                    |                                      |
|-----------------------|--------------------|--------------------------------------|
| <b>Sustainability</b> | TVOC after 28 days | < 10µg/m <sup>3</sup> to ISO 16000-6 |
|                       | Certification      | Floorscore or similar                |
|                       | Recycling Rate     | 100%                                 |

|                   |               |          |
|-------------------|---------------|----------|
| <b>CE Marking</b> | Certification | EN 14041 |
|-------------------|---------------|----------|

|                 |           |                  |
|-----------------|-----------|------------------|
| <b>Warranty</b> | Certified | 12 Years minimum |
|-----------------|-----------|------------------|

|                               |            |                            |
|-------------------------------|------------|----------------------------|
| <b>Manufacturing Location</b> | Facilities | ISO 9001 & 14001 certified |
|-------------------------------|------------|----------------------------|