

SECTOR GUIDE

CONTRACT FLOORING ACCESSORIES FOR
HEALTHCARE ENVIRONMENTS
2022



COMPANY INFORMATION

Quantum Flooring Solutions is a name you can trust. It is a leader in the flooring accessories market and offers a complete range of products that help to make stairs safe (Stair Nosings and Edgings), give a clean finish to floors at wall junctions (Skirtings and Cappings), cover for neat joints in floorcoverings (Trims, Edgings and Transitions) and keep entrances safe and clean (Matting).

ACCREDITED:

ISO14001

A commitment to environmental protection.



ISO9001

A commitment to continually improve the manufacturing process.



SIMPLE SPECIFICATION:

bimstore

A range of Quantum Flooring Solutions' products have BIM objects that can be found in the bimstore.



NBS Source

All products can be specified through NBS Source.



SpecifiedBy

All products can be specified through SpecifiedBy.



MEMBER OF:

CFA

Membership of the only trade body representing the contract flooring market.



MPBA

Membership of the only trade body representing the Modular and Portable Building industry.



AND OFFERS:

A 10 year warranty

Providing peace of mind for your projects, subject to project application and correct maintenance.



Free RIBA CPDs

Learn how to correctly specify Stair Nosings, Flooring Accessories and Entrance Matting with market leading CPDs.



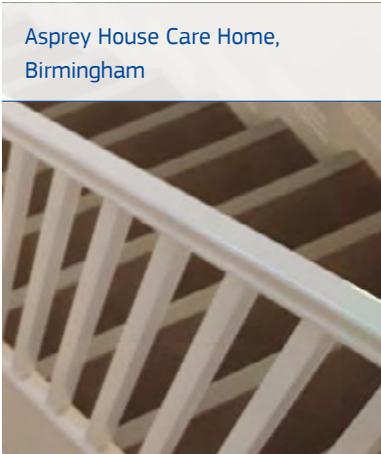
SECTOR KNOWLEDGE

Below are a few projects that Quantum Flooring Solutions products have been used in over recent years. Products used include stair nosings, entrance matting, accessories and flooring transitions. To see the complete range of flooring accessory products visit quantumflooring.co.uk.

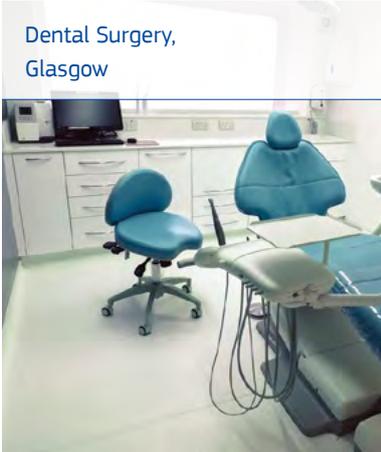
HOSPITALS



CARE HOMES

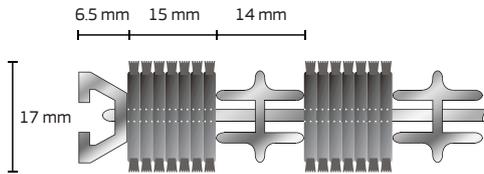


HEALTHCARE GENERAL

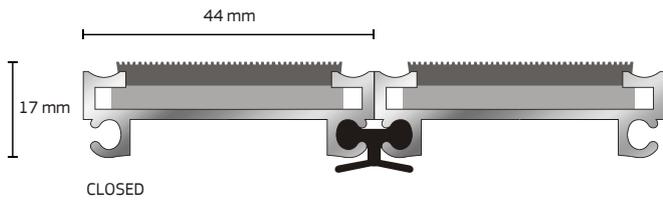


PRODUCTS

ENTRANCE MATTING



Q-MAT: THE KNIGHTSBRIDGE HIGH TRAFFIC MATTING (formerly Q-GUARD)
For internal or external use.



Q-MAT: THE BELGRAVIA MATTING (formerly Q-CONNECT)
For internal or external use.

Other matting systems available, see quantumflooring.co.uk for more.

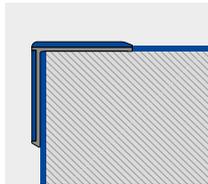


- | | | | | | | | |
|--|--|--|--|---|---|---|--|
| WESTMINSTER,
BELGRAVIA
Q-TILE, Q-CLICK,
Q-SECONDARY
INTERNAL –
Tufted Nylon | <ul style="list-style-type: none"> ● Solid Black ● Solid Blue ● Solid Red ● Solid Grey ● Patterned Black ● Patterned Blue ● Patterned Red ● Patterned Grey | MAYFAIR
INTERNAL –
Needlepunch
fibre bonded rib | <ul style="list-style-type: none"> ● Anthracite ● Blue ● Blueberry ● Green ● Grey ● Burgundy ● Red ● Teal ● Jade ● Beige | KNIGHTSBRIDGE,
WESTMINSTER,
BELGRAVIA
EXTERNAL –
Rubber Rib | <ul style="list-style-type: none"> ● Black ● Grey | KNIGHTSBRIDGE
INTERNAL –
Rubber Nylon | <ul style="list-style-type: none"> ● Charcoal ● Grey |
|--|--|--|--|---|---|---|--|

STAIR NOSINGS



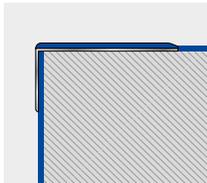
QR-SF125R
Slenderline
For concrete /
no floorcovering
0mm.



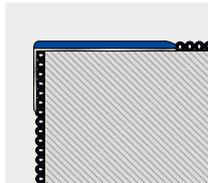
QRd-SF153
Slenderline Duo
For vinyl / resilient
floorcovering
2–3.5mm.



QR-SFWR
Slenderline Wide
For concrete /
no floorcovering
0mm.



QR-SFW
Slenderline Wide
For vinyl / resilient
floorcovering
2–3.5mm.



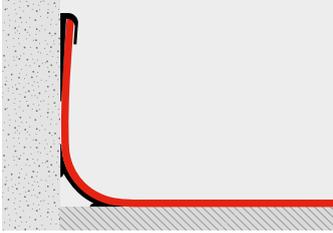
QR-HFW
Heavy Duty Wide
For carpet / carpet tile
3.5–9mm.



- | | |
|-----------------------------------|--|
| STAIR NOSING
STANDARD
TREAD | <ul style="list-style-type: none"> ● Claret ● Black ● Rustic ● Peat ● Dark Blue ● Regency ● Spruce ● Granite ● Poppy ● Flint ● Royal Blue ● Fawn ● Light Grey ● Jade ● Tangerine ● Polar Grey ● Ivory ● Sky ● Lime ● Sun ● Mist ● Yellow ● Photo ● Desert ● White |
|-----------------------------------|--|

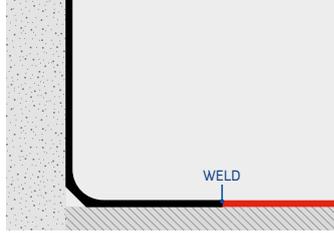
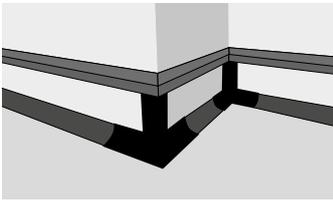
PRODUCTS

ACCESSORIES



CAPPING STRIPS & COVE FORMERS

To allow vinyl floorcovering to continue up the wall and finish the edge.



SET-IN SKIRTING

To cover the join between floor and wall, with a sealed, welded joint to the vinyl or lino flooring material.

CCFM1 & CCFM2 FLOORMITRES

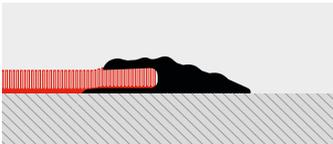
Internal or external corners to make the fitting of vinyl around corners easier, quicker and smoother.



SKIRTINGS & CAPPING STRIPS COLOURS

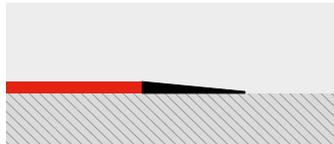


TRANSITIONS



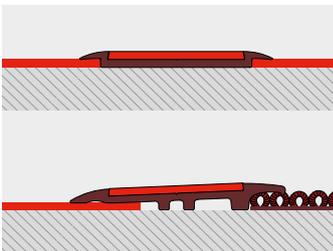
FLOOR TRIMS

To cover floorcovering edges to reduce the risk of tripping & help prevent damage to flooring material.



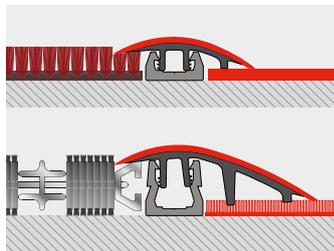
PVC DIMINISHING STRIPS

Creates bevelled edged finish to flooring to protect damage to flooring at junction.



PVC TRANSITION STRIPS

uPVC channel with separate tread both available in a range of colours.



TOPCLIP

A two-piece floor trim system to cover joins between all gauges of floorcoverings, with tops available in a wide range of slip-resistant colours.



RAMP TRIMS, DIMINISHING STRIPS & FLOOR TRIMS



DEMENTIA FRIENDLY TRANSITIONS (INFILL), TOPCLIP (TOPS) & COVER JOINTS



STAIRWAY SPECIFICATION & BUILDING REGULATIONS

“Stairs, ladders and ramps shall be designed constructed and installed as to be safe for people moving between different levels in or about the building.”

– from Building Regulation Document K, 2013, Schedule 1

This overall statement leads to five documents, which give guidance for the design of stairs (and associated Stair Nosings) for use in buildings with public or shared use:

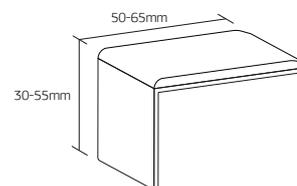
1. **Building Regulation Document K: Protection from falling**
2. **Building Regulation Document M: Access to and use of buildings**
3. **BS 8300-2:2018: Design of an accessible and inclusive built environment. Buildings. Code of practice.**
4. **BS 9266:2013: Design of accessible and adaptable general needs housing**
5. **BS 5395-1:2010: Stairs, Ladders and Walkways**
6. **BS 5395-2:1984: Code of practice for the design of helical and spiral stairs**
7. **Building Research Information Paper – IP15/03: Proprietary nosings for non-domestic stairs**

These documents indicate the following best practice recommendations and guidelines for Stair Nosing specification.

A. THE RECOMMENDED DIMENSIONS OF A STAIR NOSING:

BR (K&M), BS8300, BS9266 & BS5395

BR K, BS8300, BS9266 and BS5395 state the tread should measure between 50–65 mm and the riser 30–55 mm. BR K&M refer to both tread and riser as being 55 mm. This apparent difference can be reconciled by specifiers and contractors since both sets of guidance are correct. The principle requirement is that the nose of a step is clearly defined, and a proprietary stair nosing with any of these dimensions can achieve this. Quantum Flooring Solutions has a wide selection of Stair Nosings which have these dimensions.

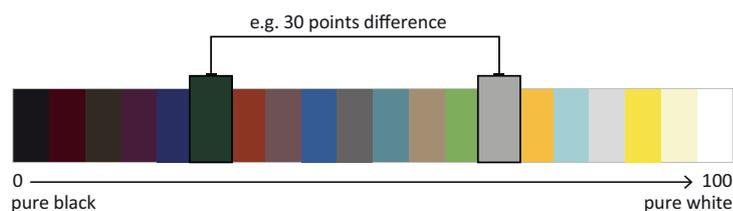


B. THE RECOMMENDED LIGHT REFLECTANCE VALUE (LRV) COLOUR OF A STAIR NOSING:

BR (K&M), BS8300, BS9266 & BS5395

The colour of the Stair Nosing is required to differ from that of the floorcovering. Every colour has a LRV between 0 (Black) and 100 (White). There should be at least 30 points difference between the Stair Nosing LRV and the floorcovering, e.g. if the floorcovering has a LRV of 50, then the Stair Nosing should have a LRV of between 0–20 or 80–100.

This creates a 'ladder effect' which helps the partially sighted when ascending or descending stairs. The Quantum Flooring Solutions range of tread and channel (UPVC) colours have LRVs ranging from 5 to 81.



C. THE RECOMMENDED SLIP RESISTANCE OF A STAIR NOSING FOR THE ENVIRONMENT:

BR M, BS8300 & BS5395

The slip resistance of the tread material used in a Stair Nosing is an important element for the safety and performance of stairs. There are two traditional tests that can be carried out to determine the slip resistance of a flooring material. The pendulum test (PTV) and a surface micro roughness measurement (Rz). Either of these can be used to give an indication of the slip resistance of a material.

Quantum Flooring Solutions' PVC tread material has been laboratory tested and has a PTV reading greater than 36 and a micro roughness reading, taken off new and used treads, of >20 Rz in both wet and dry conditions. Both these results classify the PVC tread material as being of a 'low slip potential' or risk.

D. THE RECOMMENDED COVERAGE OF THE TREAD MATERIAL ON A STAIR NOSING:

IP 15/06

The tread is the surface of the Stair Nosing which receives ascending or descending footfall. The Stair Nosing tread material should extend to the front edge to the point at which it meets the vertical face to minimise the risk of a slip in descent. Every profile within the Quantum Flooring Solutions' Q-Range of Stair Nosings meets this point of guidance.

E. OTHER CONSIDERATIONS:

There are a number of other considerations for steps and Stair Nosings that should be borne in mind when looking to create safe stairs that achieve good practice guidelines.

- I. Bull nose steps: These can create a trip hazard to partially sighted users, who use their foot to find the nose of the step in ascent.
- II. Open riser steps: These again create a trip hazard and it is not possible to get a LRV contrast on the open riser.
- III. Shiny metal Stair Nosings: These can create glare in artificial light or direct sunlight.
- IV. Double channel Stair Nosings: Technically, double channel nosings are too wide to meet the 50–65 mm width set out in Building Regulations parts M and K. However, if there is a wide going of step (300 mm+) a double channel stair nosing can be used as long as a clear ladder effect is created when descending a stairway. As an alternative to double channel nosings, a stair nosing such as Q-Range Wide allows for a full band of colour on the tread while offering a similar surface area.

DEMENTIA FRIENDLY DESIGN

Dementia Research 2018 – From Dementia Services Development Centre (DSDC), Stirling University

Light reflectance values (LRV) are very important in designing environments for people living with dementia. This is because LRV can affect both mood and way-finding. Dementia patients can experience anxiety crossing a visible line, this can go as far as preventing a patient from being able to cross. Contrast sensitivity is a common visual issue; to be clear, high-level contrast is one of the most important factors. LRVs determine good visual contrasts between adjacent materials. Contrast is critical between junctions such as between floors and walls, and walls and doors.

Dementia Friendly Flooring Accessories – Tonal Contrast Selection Guidelines

- » Tonal contrast is critical to differentiate materials from each other.
- » Adjoining flooring should be tonally similar, to reduce the risk of falls.
- » Flooring LRVs should be within 10 degrees of each other.
- » Transition strips should match the tones of both flooring surfaces, with an ideal LRV difference of no more than 10 degrees.
- » Skirtings should also contrast with both the wall and the door where possible.
- » Both DSDC and BS 8300-2:2018 recommend a difference of 30 degrees of LRV between critical surfaces such as floors to walls, doors to walls, floors to steps or stairs, and on stair or step noses.

SERVICES

Quantum Flooring products have industry-leading guarantees, so you know your installation will last. They are also recyclable.



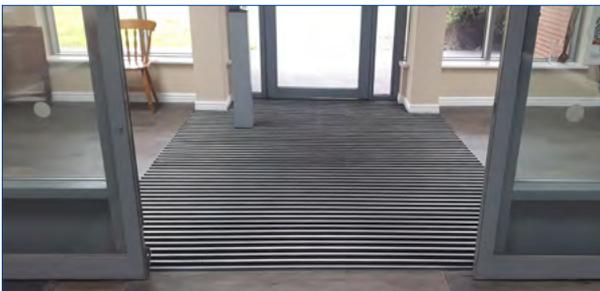
SITE SURVEY VISITS:

Need help on site? Arrange a site survey with Quantum Flooring for free.



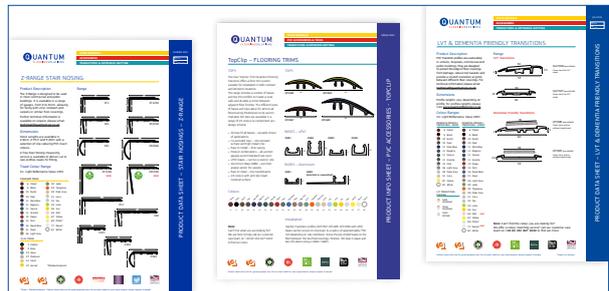
MEASURE & CUTS SERVICE:

Available for all Quantum Flooring Stair Nosings and Entrance Matting.



SUPPLY & FIT SERVICE:

Available for all Quantum Flooring Entrance Matting.



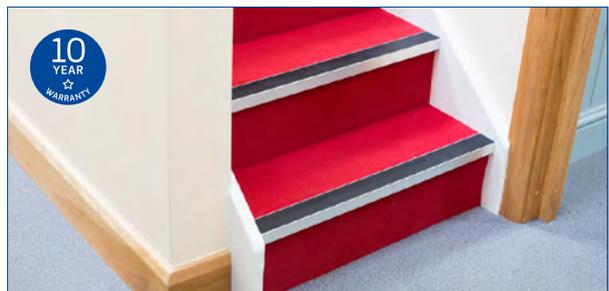
TECHNICAL PRODUCT DATA SHEETS:

All products have both product data sheets and safety data sheets available, easily accessible via quantumflooring.co.uk.



TECHNICAL ADVICE:

A dedicated technical support email is available: technical@quantum-ps.co.uk.



10-YEAR PRODUCT WARRANTIES:

For extra peace of mind Quantum Flooring offer 10 year project product warranties – subject to project registration.

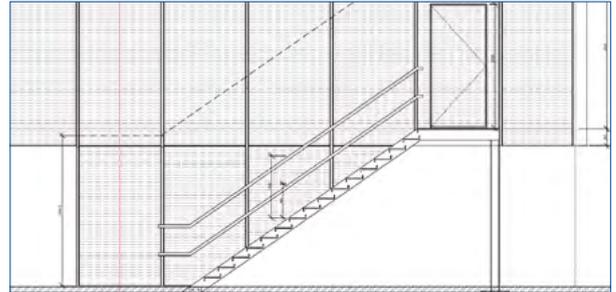
SUPPORT

Quantum Flooring offer industry leading support, so you know you'll be able to get the correct product and information for your project. Quantum Flooring products help to meet Building Regulations, create safe environments and reduce the risk of slips, trips and falls.



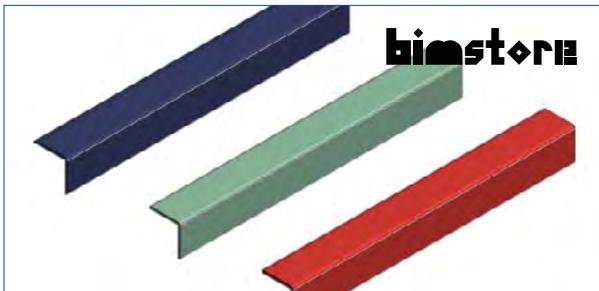
CPD:

Learn how to correctly specify safe stairs and safe entrances with market-leading RIBA CPDs.



SPECIFICATION DETAILS:

All products can be specified through both NBS Source & SpecifiedBy.



BIM OBJECTS:

A range of Quantum Flooring Solutions' products have BIM objects that can be found in both the National BIM Library & BIMStore.



SPECIFICATION SUPPORT:

Quantum Flooring is a one stop shop for all contract flooring accessories.



INSTALLATION & CLEANING GUIDES:

Both PDF and video fitting and cleaning guides are available for all Quantum Flooring products, meaning contractors can access step by step fitting guides and quickly watch fitting and cleaning videos.

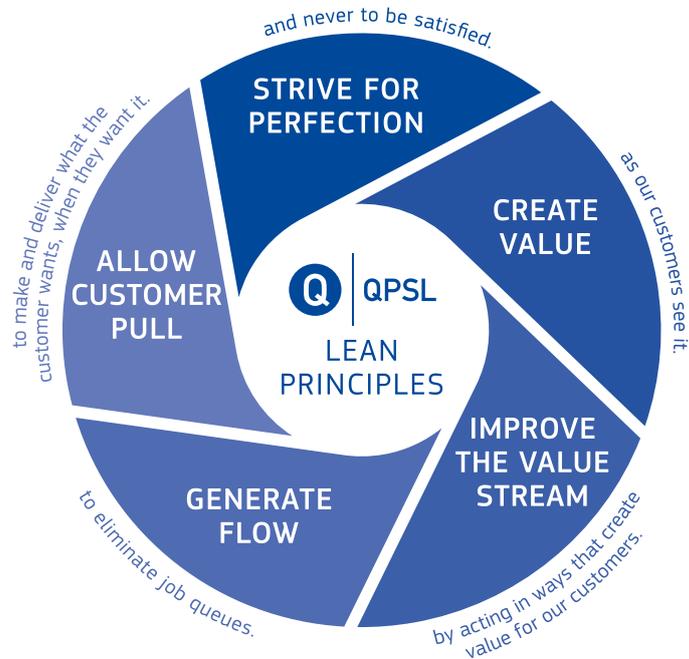
NEXT STEPS:

Visit [quantumflooring.co.uk](https://www.quantumflooring.co.uk) or

call **+44 (0) 161 627 4222**

for more information and product selection support.

- STAIR NOSINGS
- ACCESSORIES
- TRANSITIONS & ENTRANCE MATTING



FOR SALES & TECHNICAL SUPPORT CALL:

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@QuantumFlooring



PART OF QPSL LEAN, GREEN, SAFE & CLEAN

At QPSL we strive for continuous improvement in our environmental, health and safety management systems and in the environmental quality of our products, processes and services.

Details correct at time of publication but please visit the website for the latest product information.