

Lano

Market Sectors

Hotel and Leisure

Commercial Office

Residential

Healthcare

4m and 5m wide Broadloom only

Hotel and Leisure Market

Woven Carpet

Tufted Carpet

Where are they fitted?

Foyers

Corridors

Bedrooms

Offices

Health Clubs

Axminster and Wilton

Why Axminster

Why Wilton

Why Tufted

What are their Design Capabilities?

Axminster

Several Machine Types

Traditionally Spool and Gripper

Spool is used for large runs and can have up to 36 colours

Gripper has been limited to only 8 colours

16 now available at Lano

Wilton

Plain 2, 3, 4 or 5 Frame (colours)
Cut Pile
Loop Pile (Brussels Weave)
Cut and Loop
Traditional Patterned Rugs
Low pile height dense construction
High Performance

Tufted Carpets

Fastest manufacturing process in the world
Lowest Cost option for a luxurious quality carpet

Loop Pile

Cut Pile

There are various textures in a cut pile
(Twist: Velvet: Velour)

also

Cut and Loop Pile

Tufted carpets have a secondary backing and the Latex coating laminates the secondary backing to the surface material.

In severe wear areas and when extreme levels of moisture may occur, (as seen when frequent cleaning takes place using hot water extraction), delamination stretching can take place, and the carpet, and the installation could fail.

Limited design potential.

Woven Carpet

Axminster or Wilton

The backing is woven at the same time as the fibre is introduced, thus becoming an integral part of the construction making it more durable and improved dimensional stability.

No limitation to the design

Colortec

This is like a tufted carpet with a secondary backing, but without the dimensional stability and integrity of the structure. To avoid potential problems, select the location that the carpet is going to be fitted very carefully. Excellent in Hotel bedrooms

Look out for wheeled traffic in corridors
Axminster style of designs can be achieved

Pile height and density are more difficult to achieve than in an Axminster
Pattern matching and dimensional stability are an important factor especially when a critical design has to be patterned matched. The tension created in manufacturing can distort designs.

Key points in any carpet specification

Fibre

Wool, Nylon and Polypropylene and Polyester

80% wool and 20 % nylon often used

Wool has a low lustre and character it feels warm and comfortable.

Nylon is more durable and improves resilience and now has anti-static properties

Static

Which fibre is best if your concerned about static?

Wool up to 15000 volts
Nylon below 3000 volts
Polypropylene is inert

Nylon

Two nylon types 6 and 6.6

DuPont now branded Antron, invented 6.6 nylon

This is the hardest wearing nylon, and has better flammability ratings, and also does not soil so easily especially with hot drinks as 6 nylon

Fibre can be used with different thickness singles 2 ply or 3ply, occasionally 4ply

The denser the construction, the lower the pile height the better the performance is obtained

Wool

New Zealand wool is highly regarded and is an exceptionally fine yarn.
British Wool is coarser and harder wearing
Spanish Wool has contaminants.

Staple Fibre

The length of the Staple fibre used also determines the performance and the appearance retention
Rub the carpet vigorously with a coin and compare manufacturers ranges and see how much fibre is shed.
The shorter the fibre lengths are the cheaper the carpet is and especially in a loop pile you will see the carpet pilling.

Latex Precoat

Latex is used to provide an anchor coat in tufting, and to bond the Secondary Backing, it is also used in woven carpets as a final finish to the back of the carpet.
Lano use a very high- quality pure latex
Woven carpets do not have a secondary backing but the malleability of the construction is important as is the strength of the “anchorage” of the yarn

Performance

This is determined by the following

Yarn Type
(Wool Nylon or polypropylene)

Pile Weight
Pile density
Texture

Performance is determined by the amount of fibre and the density of the construction, also the fibre type selected, as well as the construction type.

Loop,
Cut and Loop
Cut Pile.

There is always a trade- off between aesthetics and performance.

Axminster and Tufted

The gauge (tufted carpet) or pitch (Woven Carpet) of the machine is set

Axminster will have a 7 pitch (usually) and the number of rows determines the total amount of fibre and the density

Pitch	Rows	Stitches m ²	Weight gm ²	Weight oz yd ²
7	7	49	1140	33 oz
7	8	56	1300	37 oz
7	9	63	1460	42 oz
7	10	70	1620	46oz
7	11	77	1780	51 oz

Tufted Ranges are usually in 1/8th Gauge or 1/10th Gauge.

Pile weights in loop are less than in cut pile offering better value

The density is expressed in stitches m²

Imperial 10 x 10

Metric 39.4 x 39.4

Texture

Loop Pile

Multi Textured Loop

Cut and Loop Pile

Cut Pile (Velour Velvet or Twist)

Designs

Axminster is the most versatile only in Cut Pile

Wilton

uses maximum of 5 colours excellent surface imagery

Plain or Patterned

Cut Pile or Loop Pile

or

Cut and Loop Combined

Tufted

Hydra-shift and Graphics
and

FRS (full repeat scroll) Limited design options unless printed on

Printing

uses limited number of colours and can lack definition when compared to an
Axminster

Can be printed on both cut pile and loop pile

Colortec

“bridging tufted and Axminster”

Hand Made

No limitations except financial

Colour

Piece Dyed

Continuous Dyed

Hank Dyed

Stock Dyed

Differential Dyeing

Solution Dyed

Fitting Carpet

Double Stick

Felt Underlay

Tackless Gripper

Direct Stick