



Carpet floor coverings - part 1

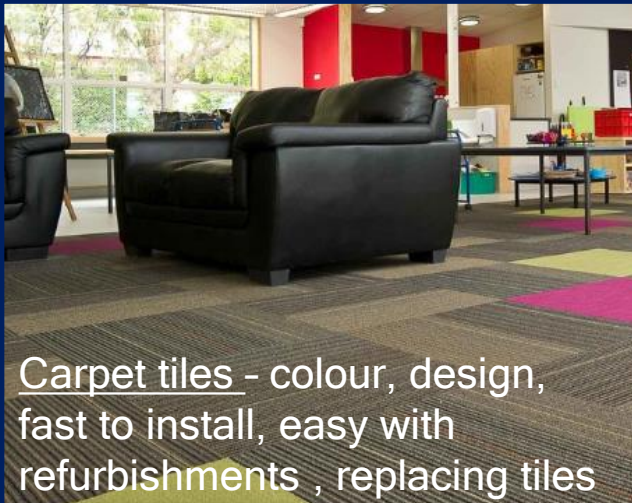
Carpet History

Wool carpet was once the carpet of choice in NZ. While NZ is still a strong wool producing nation, we have fallen in line with the rest of the world where synthetic carpet is the carpet of choice.

This presentation will look at the types and make up of our common carpet types used in NZ today

1. Tufted
2. Woven
3. Carpet tile
4. Needle punch





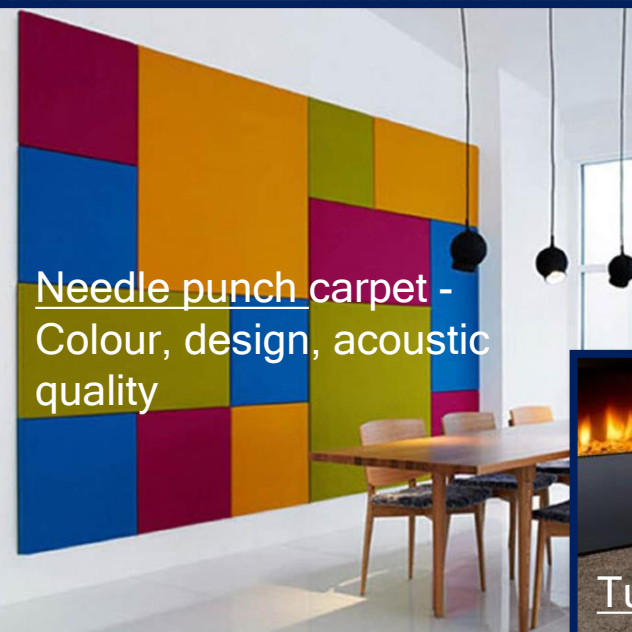
Carpet tiles - colour, design, fast to install, easy with refurbishments , replacing tiles



Tufted texture loop pile wool carpet - design, natural fibres, hard wearing, thermal, good acoustic properties, naturally fire resistant



Woven Axminster carpet (original)- Colour, design, holds its appearance, lasts a long time



Needle punch carpet - Colour, design, acoustic quality



Tufted cut pile synthetic carpet - soft, resilient, stain resistant with Solution Dyed Fibre technology



Tufted cut pile wool



Do not fray, moisture resistant

Carpet flooring benefits

Carpet flooring limitations

Tufted carpets-seam break down and bubbling can occur if backings delamination or separate

Synthetic tufted carpets are effected by heat and can relax and bubble. Causes could be backings and or stretching techniques

Carpet beetle in wool carpets, jute backings

Peaking seams can cause a shadow which shows a colour variation

Synthetic backings on tufted carpets can be difficult to cut and damage walls during installation

Carpet tiles can step out if the floor is not flat or the tiles vary in size. So many variations in type and quality. Selling into the right area is important

Low end Needle punch may show colour variation on seams, break down with oil, difficult to work with in low temperatures

Seams will peak with stretching tufted carpet

Axminster (woven) carpets need specific installation skills when joining, pattern matching aligning and stretching, expensive

What are tufted carpets made up of?

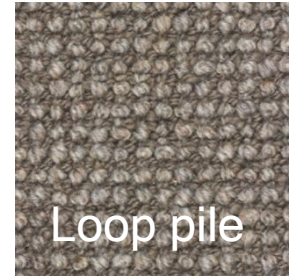
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1. **Pile** - Yarn either Wool or Synthetic yarn

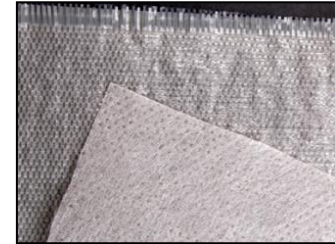


Cut pile



Loop pile

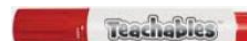
2. **Primary backing** - Woven polypropylene or fleece



3. **Secondary backing** - Jute or synthetic (Man made plastic)



4. **Latex**- Secures the tufts into the primary backing and bonds the backings together

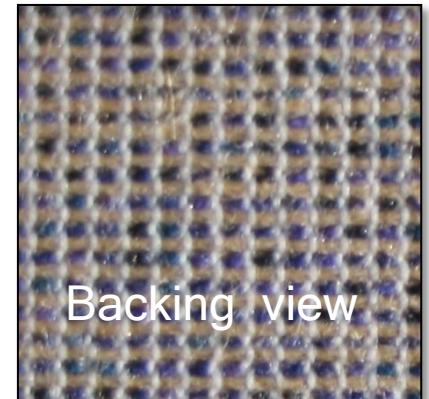


What are woven carpets made of?



(Axminster)

1. **Pile** - Yarn either Wool (more common) or wool /synthetic blend
2. **Jute** - Backing yarn
3. **Cotton** - Backing yarn
4. **Latex** - To stabilise the backing

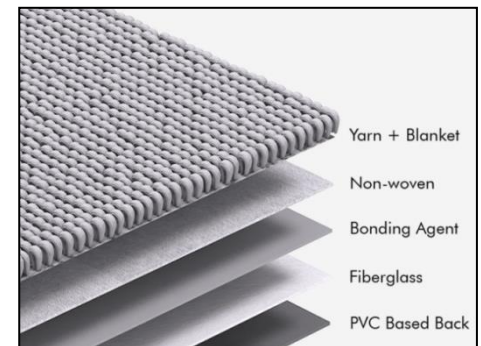
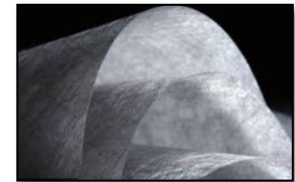
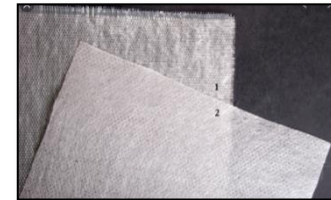
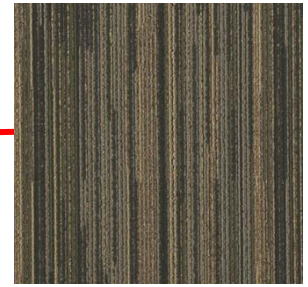


Backing view



What are carpet tiles made of?

1. Pile - Synthetic yarn
2. Primary backing - Non- Woven polypropylene or fleece
3. Stabilising carrier- Fibreglass fleece
4. Bonding agent- Adhesive
5. Backing - Various types-PVC, carbon, Bituman, rubber, synthetic based



What are needle punch carpets made of?

(Garage carpet)

1. **Fibres** - Loose synthetic fibres (polyester Polypropylene)



2. **Latex** - To stabilise the backing

