

Resilient floor coverings - part 1

Best Practice Guidelines for Planning and Installation



ACKNOWLEDGEMENT

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What is a resilient flooring product?

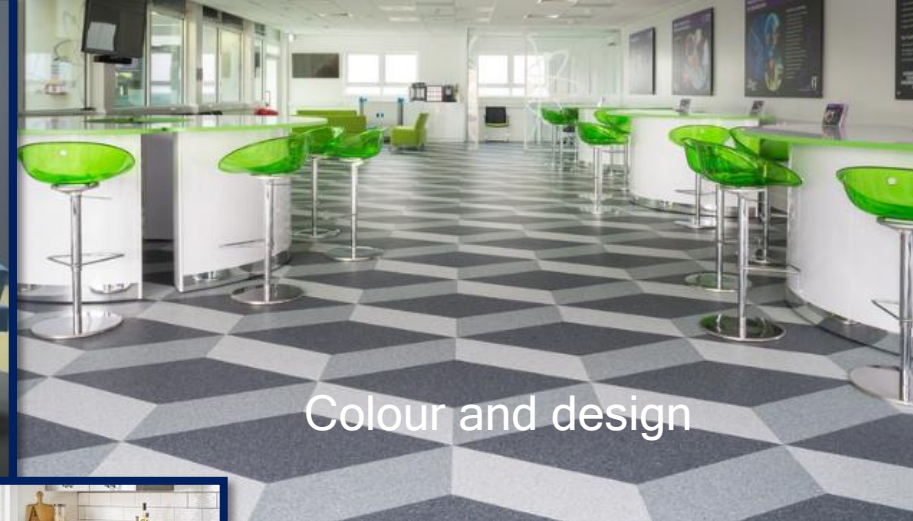
Resilient flooring products are hard floor coverings often made from Vinyl; in sheet or tile form.

Linoleum (Marmoleum) and rubber are not vinyl but are also considered resilient floor coverings.



Resilient flooring benefits

Linoleum is made of natural ingredients - linseed oil, pine rosin, wood flour



Colour and design



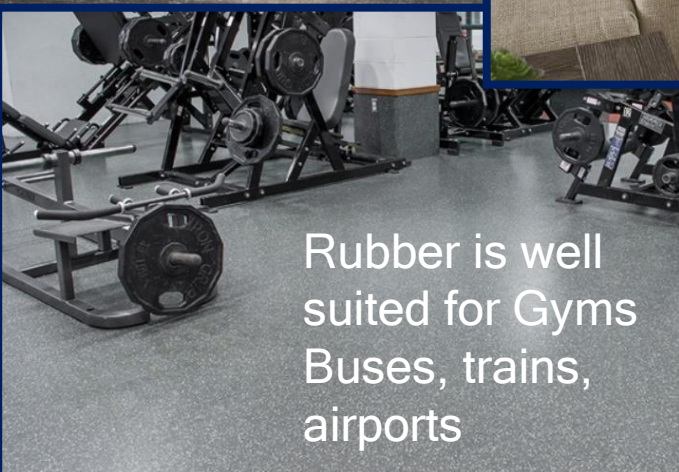
Hard wearing
Easy to clean
PVC is Recyclable



Domestic and
commercial use
Tile and
Sheet form



Hygiene areas- coving
Slip resistant
Water proof



Rubber is well
suited for Gyms
Buses, trains,
airports



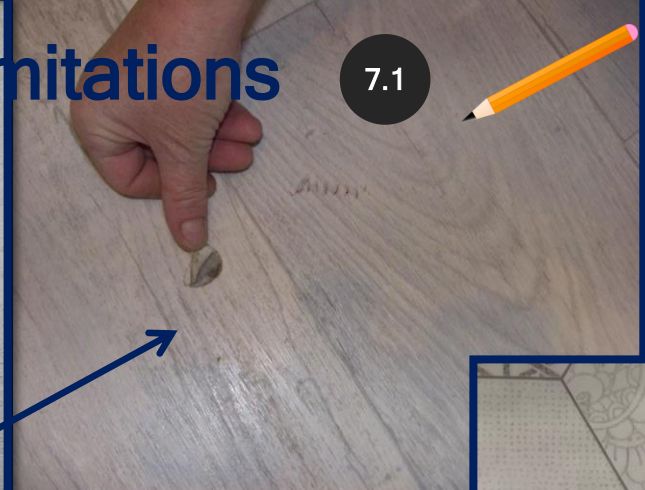
Vinyl Composite Tiles (VCT)
are replaceable
High loads and floor traffic

Resilient flooring limitations

7.1



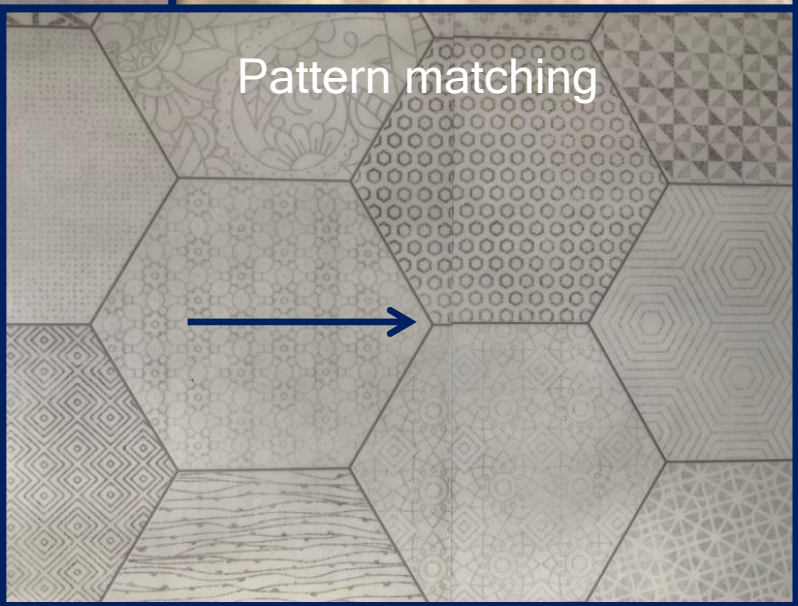
Damage - dragging furniture, pet claws, chair legs



Difficult to cut
Cleaning



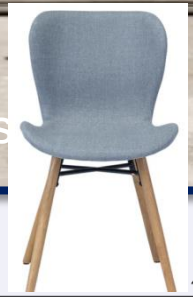
Not flexible
Linoleum



Pattern matching

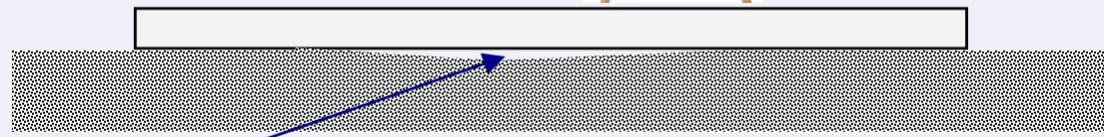


Plank step out
Breaking joint mechanisms

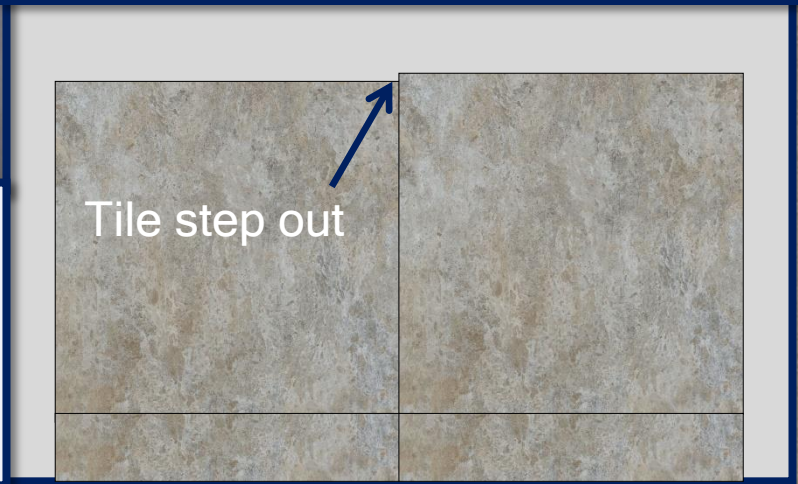


Straightedge

Floors need to flat



Gap



Tile step out

Resilient flooring limitations

7.1

Shrinkage

Expansion
Heat
Adhesive
Temperature at
installation

Join exposed to high temperatures

Curl & break

Welding joints-
difficult on
heterogeneous
vinyls, linoleum

Dark colours
Natural Light
Floor preparation

Rubber-
odour, seaming,
adhesive

Staining
Plasticiser reactions

Sparky marking
where the lights
will go

Spray paint
residue

Cleaning

Rubber wheels

Latex Carpet
backing

What are resilient floors made from?

Vinyl

1. Poly Vinyl Resins - commonly used is PVC (Polyvinyl chloride)
2. Fillers and Materials - Limestone (calcium carbonate), colour pigments,
3. Plasticizers- Solvent/Fine oils for flexibility



Mix

More vinyl less filler = more expensive

More plasticisers = more flexibility

More filler = cheaper and more stiff

What are resilient floors made from?

Linoleum

Made from Natural materials



What are resilient floors made from?

Rubber

1. Recycled rubber - recycled rubber
2. Synthetic rubber - (manmade) oil and chemical based
3. Natural rubber - sap found in para rubber trees

