










Usage of Legacy Luxury Vinyl Flooring

Recommended Usage	Specification of Legacy floor	European Class EN685
Residential only	2mm total thickness 0.2mm wear layer	Class 22 
Residential Light commercial with moderate foot traffic (e.g. Hotel rooms, Conference rooms & Small offices)	2mm total thickness 0.3mm wear layer	Class 23  Class 31 
Commercial areas with heavy traffic (e.g. Retail outlets, Boutiques, Open plan offices, Care homes, Healthcare establishments, Schools & Colleges)	2.5mm total thickness 0.55mm wear layer (No bevel)	Class 33  Class 42 
Commercial areas intensively used with very heavy traffic (Department stores, Retail outlets, heavily used Multipurpose halls and Airports) Light Industrial areas with heavy traffic Production halls & Storage rooms	2.5mm total thickness 0.7mm wear layer (With bevel)	Class 34  Class 43 



Exceptional Performance over a long period of time

The specially treated wear layer (Alor) makes Legacy **extremely durable** and provides exceptional resistance to daily wear & tear. This ensures a floor that will last for many years and maintain its attractive appearance throughout its life. It also allows the floor to be used in many different environments.

Legacy's **light weight composition** is a worthwhile consideration in the construction of tall buildings.

The structure of the Legacy flooring provides a very tight surface which makes the floor resistant to damage caused by **spillage of water and other fluids**.

This tightly sealed surface also prevents the buildup of dirt and bacteria. Legacy can therefore be used in environments where **hygiene** is of paramount importance and where a quick wipe of a cloth is all that is needed to recover the situation.

Made from a material that is **extremely stable** when subjected to extremes of temperature or exposure to water, Legacy will not suffer from expansion or contraction like many natural wood products.



Water Resistant



Hygiene



Durable & Lightweight



Quiet

Legacy is **quiet** to walk on unlike many wood and laminate products which may impose a certain amount of clatter on other residents or users of a building.



Safe

With no risk of splintering or cracking Legacy is a **safe floor** to walk, play and crawl upon!



Negligible Indentation

Legacy's exceptional **indentation resistance** removes the anxiety of ladies in high heels and toy wielding children.

When exposed to flame the flooring material will **self extinguish**. Legacy passes all international fire requirements for Public buildings.



Self Extinguishes

Less extreme in its temperature absorption, Legacy creates **a warmer environment** in winter than many natural flooring products.



Stable Temperature

Excellent Value for Money

The structure of the Legacy flooring provides a surface that is **easy to clean** and requires minimal routine maintenance. Unlike many natural flooring products there will be no need to repair cracked or splintered planks and tiles.

The **life time maintenance cost savings** of such a floor are considerable and Legacy is also quick and easy to install.



Legacy flooring has been **Designed to Perform** over a long period of time and has a **minimum guarantee of 10 years*** when used in heavy duty commercial environments.

*Subject to correct installation and a regular maintenance programme



PVC Wear Layer

The physical structure of the PVC in the wear layer is very tight and this provides a smooth surface that is inherently resistant to dirt, stain and abrasion.

Aluminium Oxide Reinforced Protective Coating (Alor)

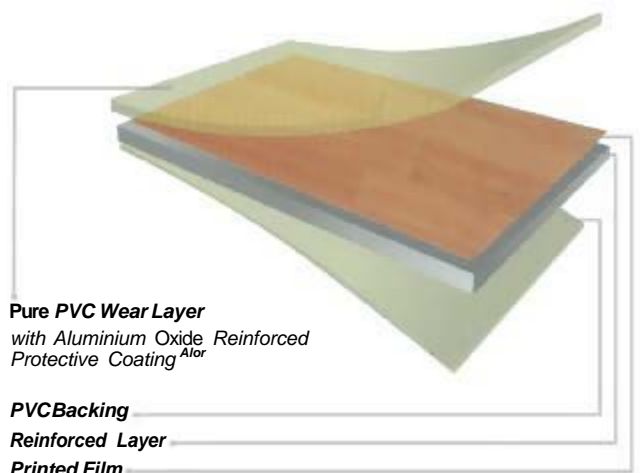
To provide even greater protection against abrasion, a reinforced protective coating of Aluminium Oxide (Alor) has been added.

For over 10 years in the Laminated Wood industry Aluminium Oxide surface treatment has been used in place of a wear layer to provide an incredibly hard and durable finish and it a well proven and trusted means of protection.

Aluminium Oxide Protective Coatings are environmentally friendly and exceed the highest European Environmental Standard E-1.

It is also interesting to note that aluminium oxide is used as a dental abrasive and is used as the coating on emery boards.

In the hair and skin treatment industry its inert and abrasive properties ensure a material that is ideal for polishing and cleaning the skin without the risk of an adverse reaction



**Pure PVC Wear Layer
with Aluminium Oxide Reinforced
Protective Coating^{Alor}**

**PVC Backing
Reinforced Layer
Printed Film**



Independent Tests for Abrasion Resistance

Independent tests for Abrasion Resistance under ASTM D4060 have been carried out at a SGS test laboratory in Taiwan.

These clearly showed the superior performance of the Aluminium Oxide Reinforced Coating (Alor) when compared with PU treatment and no surface treatment.

The test is similar to EN 660-2 and calculates the volume loss of the flooring sample when subjected to 1000 revolutions of an abrasive at a pressure of 1000gm

Test Material	Volume Loss (gm)
No surface treatment	0.0944
PU Treatment	0.0823
Alor Treatment	0.0588

Which means that...

PU Coating improves the abrasion resistance by 13%

*Alor Coating improves the abrasion resistance by **38%***

PVC Backing

A PVC backing is used to reduce the weight of the material and provide greater flexibility.

By having a similar material on the top and bottom of the flooring a sandwich effect is created providing stable dimensional performance throughout the material. This is especially important when the material is exposed to extremes of temperature and it is this sandwich effect that prevents expansion, contraction and curling of the material.

LEGACY®