

SOLID SPORTS FLOORING

Environmental reasons to use
Solid Timber in place of
Vinyl Sports Flooring



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SOLID TIMBER VS VINYL SPORTS FLOORING

ENVIRONMENTAL REASONS TO USE SOLID TIMBER VS VINYL SPORTS FLOORING



GOVERNMENTS AND INSTITUTIONS AROUND THE WORLD ARE DISCUSSING GLOBAL PROBLEMS WITH PLASTIC WASTE

Complete avoidance of the use of plastics is currently not possible, but it is surprising that in the UK there seems to be no policy that includes simple substitution of fossil fuel derived plastic floor coverings for natural sustainable materials like hardwood. This is perhaps best illustrated in schools where the students are routinely taught about environmental issues in the classroom, but the school opts for a plastic floor finish for their own sports hall.

VINYL (PVC) SPORTS FLOORING

Vinyl (PVC) Sports flooring is an oil based product. Oil is a **non sustainable resource**.

Current estimates report that, at the current rate of consumption, and this is increasing annually, **our oil reserves will run out by 2053** – just over 30 years away and at a time when our current students will have children of their own.

The manufacture of vinyl flooring creates dioxins. These are carcinogenic bioaccumulative toxins. These substances pose a health risk to anyone who is exposed to them. These **dioxins persist from manufacture to disposal**.

While attempts are being made to recycle vinyl flooring, currently in the UK, the recycling process can only take “ virgin “ vinyl. This comprises off cuts and end of production rolls. Old Vinyl floors that have been lifted cannot be reused or recycled and most of the waste is taken to landfill sites.

Vinyl flooring **is not bio degradable**, so it sits in landfill for generations.

No other plastic contains or releases as many dangerous chemicals. There’s no safe way to manufacture, use or dispose of PVC products

The BRE (Building Research Establishment), in its Green Guide has the following ratings for vinyl and solid hardwood floors. An A+ rating being the highest. Note that most vinyl floors that comply with EN 14904, for use in multi purpose sports halls, will have a foam cushion backing.

	Non-Cushion vinyl "Non-shock absorbing floors"	Foam cushion vinyl, point, mixed and combi elastic floors categories P1, P2 & P3	Junckers Solid Hardwood area elastic floors category A3 and A4
Climate Change	B	B	A+
Stratospheric Ozone Depletion	C	E	A+
Human Toxicity	A	B	A+
Photochemical Ozone Creation	B	C	A+
Kg of CO ₂	+63	+64	-61 (carbon positive)

CO2 accounts for 82% of the greenhouse gases contributing to Global Warming: Source US Environmental Agency figures.



Did you know:

IN 2050 WE ARE GOING TO NEED 3.5 TIMES THE EARTH'S NATURAL RESOURCES

if we continue to use resources the way we do now in the construction industry.

Source: Teknologisk Institut

CERTIFIED TIMBER – PEFC™ and FSC®

Junckers timber comes from legal and sustainably managed sources, and we have internationally known FSC® and PEFC™ accreditations. These allow the wood to be traced from the forest to the final delivery of the finished floor. These schemes are externally audited and rigidly enforced.

JUNCKERS IS A CO₂ POSITIVE COMPANY

Timber is a natural carbon-neutral material, storing carbon during its life then releasing it at the end. Junckers does not intensively reprocess the wood by multi-layering or using large amounts of energy, glue and resins. Wood waste is used to power the entire factory site, but this produces more electricity than the company needs. The surplus is sold to the local grid and is why **Junckers is described as a “Carbon Positive” company.**

Solid hardwood boards can be reclaimed if they have useful life remaining. Floating or nailed floors are eminently re-useable and when sanded and sealed can look like a brand new floor.

Solid wood waste is easily recycled and is usually uncontaminated.

WE SUPPORT



Ask Junckers for PEFC™ eller FSC® certified products



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