

EcoProtect

Environmentally friendly weather resistant flooring



Longhouse Coating EcoProtect & EcoProtect+ is a new environmentally friendly coating system for P5 grade chipboard and OSB flooring, that enables the construction of a safe slip resistant working platform during the construction process.

As the construction industry becomes ever more environmentally aware and incentivised to look at ways of slowing down the devastating effects that single-use plastics have on our environment, Longhouse Coating have developed an innovative new flooring product

that not only reduces the amount of plastic waste associated with conventional peel off systems but also significantly reduces CO2 emissions associated with the manufacture of these products.

Due to its unique solvent free UV cured coating, **EcoProtect** is not only an environmentally friendly product but also a permanent coated board. **EcoProtect** eliminates single use plastic destined for landfill and reduces time and waste on site associated with the removal of peel off weather resistant systems.



- Eco friendly sustainable production
- 100% Recyclable
- Eliminates single use plastic destined for landfill
- Solvent free UV cure coatings
- 60 day weather protection
- Slip resistant surface
- FSC Certification

EcoProtect is a UV cured coating applied under factory conditions to the top side only of a P5 chipboard or OSB flooring panel before the construction process begins.

The current UK market for peel off flooring is around 250,000m³ per annum, that equates to around 1,125,000 kg of single-use plastic, which in turn creates around 5,625,000 kg of CO² emissions during the manufacturing process.

Peel off weather protection for anti-slip working platforms is usually manufactured from a mix of polypropylene woven with a polyethylene mesh, which is notoriously difficult to recycle and typically ends up in landfill.

“UV cure coatings are now recognised as a sustainable alternative to plastic coated timber products.

To produce 1 tonne of peel off coatings made from polypropylene/polyethylene film it is estimated **5,000 kg of CO² emissions** are released in to the atmosphere.

To produce 1 tonne of solvent free UV-cure, **only 400kg of CO² emissions** are estimated to be released into the atmosphere.

UV-cure material has the potential to save **90% of CO² emissions** created during the manufacturing process when compared to peel off plastic film.”

- Manufactured in the UK
- Tongue and grooved on all four edges
- Size: 2,400 x 600mm
- Available in 18 or 22mm

EcoProtect can also be used as a direct replacement for double sided melamine working platforms and whilst melamine does not create the waste problems associated with single use plastic, it is estimated that the carbon created in the manufacture of a melamine coating is up to twice that of existing peel off systems.

Understanding the impact that certain building products have on our environment can be difficult as we do not have a typical construction product to use as a bench mark. The familiar plastic shopping bag perhaps can give us insight to just how vast the problem is. Most plastic is made of polypropylene which is a material manufactured from petroleum and natural gas. All of the materials used in the manufacture of plastic are non renewable fossil fuel based materials that contribute to pollution and global climate change.

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Average weight of a single-use plastic shopping bag

is 4.5g

▼
Average weight of a single sheet of plastic peel off material is 128g which equates to 28 single use plastic shopping bags

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The plastic product used in peel off flooring systems each year equates to an average of 238 million single-use plastic bags per year which go to landfill or for incineration

