

UPM PROFI® DECK and the environment

The long lasting and environmentally friendly UPM ProFi Deck offers new levels of performance by combining the best qualities of cellulose fibres and plastic.

Award Winning Recycling Technology

- UPM ProFi Deck is the first industrial scale solution for waste off-cuts & trimmings from self-adhesive labels
- The innovative process utilises the cellulose fibres and plastic polymers contained in the waste to produce a highly durable material for exterior end uses.
- Currently nearly all this waste is land filled or incinerated. Every 10 lorries of UPM ProFi Deck produced means 6 fewer lorries of waste landfill or incineration.
- UPM ProFi material is fully recyclable.
- UPM has received a renowned Green Good Design Award for its innovative and environmentally friendly UPM ProFi composite material.





Advanced recycled raw material

UPM ProFi® Deck – environmental excellence

LOW CARBON FOOT PRINT

- Every 1 kg of label waste recycled into UPM ProFi Deck instead of being incinerated prevents the release of approximately 1.84 kg CO₂ into the atmosphere.*
- Each 1 m² of UPM ProFi Deck Boards contains 10 kg of label waste which would have released 18.4 kg CO₂.
- The CO₂ which would normally be released into the atmosphere is contained within UPM ProFi Deck for the lifetime of the product, typically a minimum of ten years.
- Assuming the product is not further recycled, the carbon footprint from the manufacturing of UPM ProFi Deck is 0.7 kg CO₂ per 1 kg of product. This is less than half the amount typical for many concrete paving stones.

SUSTAINABLE MANUFACTURE

- Water used in the manufacture of UPM ProFi Deck is recycled in a closed loop system
- A high proportion of the waste produced during manufacture is recycled into new products

SAFE INGREDIENTS

- No PVC is used in the manufacture of UPM ProFi Deck. The only added plastic is polypropylene.
- No toxic biocides are added to UPM ProFi Deck
- Unlike impregnated timber or PVC based products, UPM ProFi Deck off-cuts may be disposed of with normal household waste
- If burnt, the emissions produced by UPM ProFi Deck are less dangerous than burning timber

MINIMAL PACKAGING

- Packs of UPM ProFi Decking boards are simply packaged without any unnecessary paper or plastic wrappings.

THINKING LOCAL

- Production of UPM ProFi Deck is located in Finland and Germany: close to the sources of label waste and to the main customer base. This minimises transport both to and from the factories.

UPM's vision is to be the frontrunner of the new forest industry. Our competitiveness is based on cost leadership, change readiness and leading innovation. Our products are made of renewable raw materials and are recyclable. UPM consists of three Business Groups: Energy and pulp, Paper, and Engineered materials. The Group employs around 24,000 people and it has production facilities in 16 countries.

* Data concerning CO₂ emissions and smoke fumes have been independently verified by VTT: Finland's national technical research centre.

