

# ENVIRONMENTAL PRODUCT DECLARATION

UPM BUSINESS: UPM ProFi  
MILL: Bruchsal, Germany  
PRODUCT: UPM ProFi Deck 150

Information gathered from 1.1. 2018 to 31.12.2018

Date of issue: 16.10.2019

UPM ProFi wood plastic composite is a unique material that combines the best characteristics of cellulose fibres and plastic. Manufactured mainly from recycled raw material, the composite has proven to be tough and humidity resistant. UPM ProFi is durable and easy to maintain.

## ENVIRONMENTAL MANAGEMENT & CERTIFICATION

- Certified environmental management system at the mill: ISO 14001
- The traceability of the origin of wood is ensured by PEFC™ Chain of custody
- Copies of certificates are available in the Certificate Finder (<http://www.upm.com/Responsibility/fundamentals/CertificateFinder> > choose “Biocomposites”)

## OTHER MANAGEMENT & CERTIFICATION SYSTEMS

- ISO 9001 Quality
- ISO 50001 Energy Efficiency
- CE marking

## ENVIRONMENTAL PARAMETERS

The figures are calculated according to the requirements of the national environmental authorities.

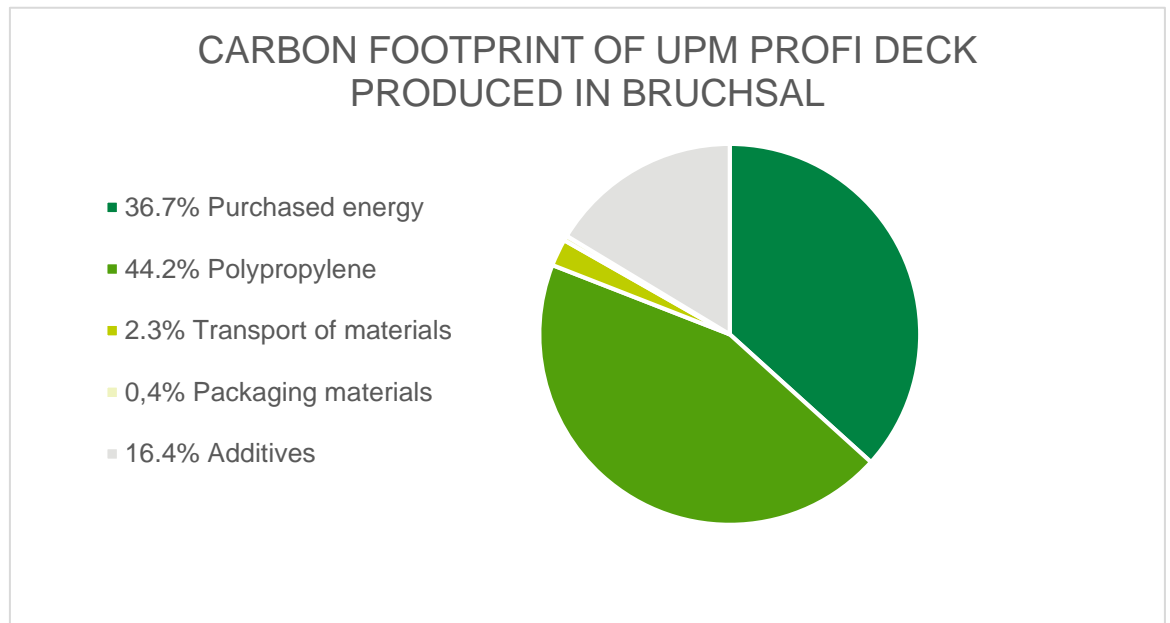
### RAW MATERIALS

Label waste > 50%; Virgin polypropylene > 27%; Non-toxic additives < 20%. UPM ProFi is certified as PEFC Recycled material. Fibre is from manufacturing surplus of UPM's self-adhesive labelstock production.

### CLIMATE

Carbon footprint\*) = 1 236 kg CO<sub>2</sub>-eq per tonne, 1.2 kg CO<sub>2</sub>-eq/kg. Self-adhesive label waste was assumed embodied environmental burden zero CO<sub>2</sub>-eq/tonne. Further information on carbon footprint is available from the contact information below.

\*) Source: 2010 assessment carried out by VTT Research Report VTT-R-02591-11, report available on request. 2017 update carried out by UPM based on 2010 set-up.



### WASTE

Efficient material use. No process waste is produced in UPM ProFi manufacturing. UPM ProFi can be disposed of through incineration or recycled back into the production process.

### WATER

Efficient water use. Specific water consumption is 1.8 m<sup>3</sup>/tn. Water used in the manufacturing process of UPM ProFi is recycled in a closed loop system.

### ADDITIONAL INFORMATION

No PVC used in the manufacturing. No biocides used in the manufacturing. Minimal packaging that can be returned to the producer for reuse.