

Cradle to Cradle Certified® Circularity Data & Cycling Instructions

Unilin (Melamine faced)		Certification Level Bronze	
Product Name Chipboard		Product Circularity Level Bronze	
Company Name Unilin			
Certification Number 6936			
Circular Sourcing	1	Cycled content type:	Pre-consumer recycled content (undefined) (5% - 6,3%), Post-consumer recycled content (undefined) (65,2% - 81,5%)
		Description of cycled content source:	Unilin (Melamine faced) chipboards mainly consist of recycled wood, ca. 95% of the wood used originates from pre- and post-consumer sources, in line with ISO 14021. Pre-consumer recycled wood streams are composed of production waste coming from furniture manufactures; wood-based frames, kitchen and interior builders, etc. Post-consumer recycled wood originates from (building) demolition and (de)construction sites, wood used as packaging materials (e.g. pallets, crates), civic amenity sites (CA sites) or household waste recycling centres (HWRCs), etc.
	2	Potential contaminants tested in recycled content:	Heavy metals, Halogenated organic compounds, Material Health - Analytical Testing Requirements for Commonly Recycled Materials
	3	Biomass source of renewable material in the product:	Wood (3,9% - 4,9%)
		Description of renewable material source:	The Unilin (melamine) faced chipboard contains recovered wood, which is FSC certified controlled wood. These either are residues, like logs unsuited for sawmills, or co-products, like logging residues, branches, forestry chips, sawing residues and sawdust. All of these are unsuited to be used for their intended purpose and have been recovered to be used in Unilin's chipboard production.
	4	Potential contaminants tested in renewable content:	No tests conducted because composition is 100% defined
	5	Source of virgin non-renewable material in the product:	Oil-based (7,3% - 25,9%)
	6	Description of virgin non-renewable material source:	Virgin, non-renewable raw materials used in Unilin's (melamine faced) chipboard production process consist of oil-based glues, resins, and other additives needed to obtain products with standard, moisture resistant, fire retardant, Potential contaminants tested in virgin non-renewable content:
Circular Design	1	Product's intended cycle:	Designed for technical cycling
	2	Design for maintenance, repair, or refurbishment:	Not designed for maintenance, repair, or refurbishment
	3	Product defined functional use period:	50 years (melamine faced chipboard) - 100 year (raw chipboard)
	4	Intended cycling pathway(s):	Recycling
Circular Systems	1	Circularity, material health, or other related certifications or standards, that have been obtained for the product, restricted substance/chemical lists and/or related chemical or circularity regulations.	The entire range of Unilin's (melamine faced) chipboard is certified under the Cradle to Cradle Certified Material Health Certificate version 4.0. as of January 2023 at the Bronze level. Here 92% of the product has been assessed. 100% of the product is compliant to the Cradle to Cradle Certified Restricted Substances List. The presence of organohalogen substances of special concern and functionally-related non-halogenated classes of equivalent concern has also been reviewed and has proven to be below allowable thresholds (exemptions apply).
	2	Intended disassembly and extraction scenarios:	Not applicable to product
	3	Reverse logistics mechanism in place for extraction and reprocessing of the product:	Transport (through municipal program) , Transport (through dedicated take-back) , Drop-off point (through municipal program) , Drop-off point (through dedicated take back) , Reprocessing of materials (through municipal program) , Reprocessing of materials (through dedicated take-back)
	4	Description of reverse logistics in place for extraction and reprocessing of the product:	Unilin has a take back program, Recover, in place where clients collect woody waste. This waste is collected at a container located at the client's site. When full, the container is transported, processed and the woody waste is treated so it reaches its end-of-waste state. As of this point it is used as a raw material in Unilin's chipboard production process and the wood is given a 2nd/3rd/4thv... life.
Cycling Instructions	1	Procedure for identification of homogeneous materials in the product intended for cycling:	The product is considered as one material for recycling. (Melamine faced) Chipboards can be collected with recyclable wood waste at civic amenity sites or household waste recycling centres. No specific instructions available for identification.
	2	Instructions for the cleaning, maintenance, and repair of the product or a link to where these instructions may be found (if cleaning, maintenance, or repair is required during product use).	Cleaning instructions can be found under: https://www.unilinpanels.com/-/media/198c694149c85381a3ae2364ad792c15.ashx?mode=inline&filename=Instructions_cleaning-maintenance_MEL-HPL_EN.pdf
	3	Instructions for the extraction, recovery, disassembly, and reprocessing of the product or a link to where these instructions may be found.	Since Unilin's raw and melamine faced chipboards typically end up in furniture (desks, countertops, cabinets, etc.) the disassembly instructions for these types of products apply here. For example https://www.180gotjunk.com/us_en/blog/furniture/take-apart-wood-furniture or https://www.quora.com/How-can-i-disassemble-a-wooden-furniture-couch-table-etc-without-damaging-it-or-myself , etc. In addition, Unilin's recycling unit is built around these standard practices of wood-based furniture disassembly in order to maximize raw material re-use. For this no specific disassembly measures from the end-consumer are required.