

LEED Data Sheet: Fred design Jean-Marie Massaud 2007

ART.: Fred – **0962**

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The LEED data sheet gives insight in Arper's environmental certifications and the contribution to the LEED CI credits.

Arper commitment

Arper's commitment to environmental protection is part of the company philosophy.

Arper's goal is to provide high quality, safe, durable and sustainable products. For this reason, Arper is actively working on its product stewardship programme. This programme comprises actions on ecodesign and environmental communication. Since 2006, Arper is ISO 14001 certified.

Fred Tables

LEED Contribution

Potential specific Furniture and Seating credits: Recycling content, Low-emitting materials

LEED Credits: LEED CI, LEED Core and Shell, LEED EB, LEED for school, LEED NC



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Leed Credit Analysis Assessment

LEED-CI Credit	Potential Points	Contribution Arper	Description LEED-CI Credits
MR 4: Recycled content	1-2	Sum recycled content: 15% postconsumer, corresponding with a potential credit of 1 point (sum > 10%)	Weighted average of recycled content. Criteria: sum of postconsumer recycled content plus 1/2 of the preconsumer content > 10%: 1 point, sum > 20%: 2points.
MR 5: Regional materials	1-2	Location of the manufacturer: Monastier di Treviso (Italy) Distance between project site and manufacturer: depending on location project site.	Option 1 (1 point): use a minimum of 20% of materials and products that are manufactured regionally within a radius of 500 miles. Option 2 (2 points): use a minimum of 20% of materials and products extracted, harvested or recovered, as well as manufactured, within 500 miles of the project.
MR 6: Rapidly renewable materials	1	Not compliant	Use rapidly renewable materials and products for 5% of the total value of all materials and products used in the project (>5%, 1 point). Rapidly renewable building materials and products are made from plants that are typically harvested within a 10-year or shorter cycle.
MR 7: Certified wood	1	MDF is FSC Certified	When using new wood-based products and materials, a minimum use of 50% should be FSC-certified, 1 point.
IEQ: 4.5 Low-emitting materials	1	MDF Satisfies E1 CLASS requirements defined in the European Standard EN 622-1 when analysed according to EN 120 standard.	If furniture and seating are GREENGUARD Indoor Air Quality Certified, 1 point.

CI: Commercial Interior
 MR: Materials and Resources
 IEQ: Indoor Environmental Quality

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General product information

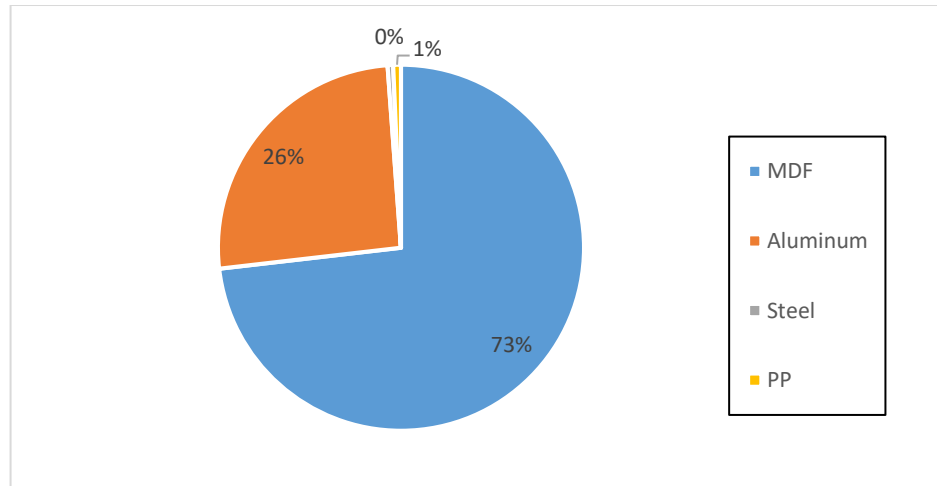
Manufacturer: Arper SpA

Description: Table with four-star base in shiny aluminium or painted and round top Ø 80 cm. in white, embossed MDF. Height 36,4 cm.

Total weight: 10,25 Kg

Key environmental indicators:

Percentage of recycled materials 15%
 Percentage of recyclable materials 26%



Components	Weight (kg)	Post-consumer		Pre-consumer	
		%	Weight (kg)	%	Weight (kg)
MDF	7,5				
Aluminum	2,63	60*	1,578		
Steel	0,05	60*	0,03		
PP	0,07				
Total	10,25	15	1,608		

* References: Information derived from Secondary data (Official statistics and/or other research)

Further information:

Selection of raw materials: the environment plays a fundamental role in the selection of raw materials. Arper is committed to the research and development of products through eco-design, favouring recyclable and recycled materials (as far as possible in compliance with the product safety requirements).

Production: lacquered aluminium structure is powder coated (absence of VOC = no emissions, absence of toxicity, limited waste, low energy consumption).

Assembly: the product is shipped disassembled. Given that the parts can be easily disassembled, some of them can be replaced to give new life to the product (disassembly instructions available).

Packaging: packing cardboard is produced from >80% recycled material and is 100% recyclable.

Use: the accurate selection of raw materials and the product essential design make maintenance easy. Structural tests which our products periodically undergo in authorized laboratories, in compliance with European regulations, ensure their long-lasting life.

End of use: structure can be easily disassembled by simply using hand tools in order to favour, at the end of use, the separation of the materials for disposal.

Check out www.arper.com four Environmental section for Accredited Product Certifications
GREENGUARD USA International EPD® System Sweden **Good Environmental Choice** Australia
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