

ART.: Catifa Carta 3134

Rev. 00_2024-07-18

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 eco-design (material and waste minimisation, disassembly of components, recycling of materials), product take back at the end of life (in Australia) and environmental communication. Since 2006, Arper is ISO 14001 certified.

LEED Contribution

Furniture and seating: Recycling content, Low-emitting materials



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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: 26 % (postconsumer), corresponding with a potential credit of 2 points (sum > 20%).	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	Certification in progress	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	GREENGUARD certification in progress	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

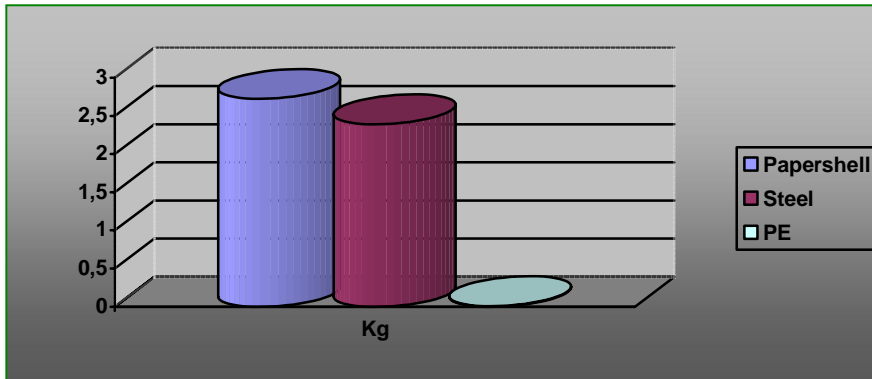
Manufacturer: Arper SpA

Description: Chair on four-legged frame with painted structure and shell in Papershell

Total weight: 5,40 kg.

Key environmental indicators:

- Percentage of recycled materials 26%
- Percentage of recyclable materials >99 %



Components	Weight (kg)	Post-consumer		Pre-consumer	
		%	Weight (kg)	%	Weight (kg)
Papershell	3,01				
Steel	2,39	60*	1,43		
PE	0,0064				
Total	5,40	26%	1,43 kg		

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

Further information:

Innovative materials the shell is made of PaperShell, a groundbreaking material derived from paper. Comprising 29 sheets of paper bonded with a natural resin binder, the material significantly reduces the chair's environmental footprint by sequestering carbon dioxide. Paper used to produce PaperShell is sourced responsibly, utilizing residues from Swedish wood production such as sawdust, chips, and branches.

The frames are 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 they can be replaced to give new life to the product (disassembly instructions available).

Packaging: the packaging is 100% made of Paper 100% recyclable. The Cardboard is produced from >80% recycled material

Shipping: as the products are packed in groups of 4 and disassembled, the load sizes are greatly reduced, and so is the number of shippings.

Use: The structural tests which our products periodically undergo in authorized laboratories, in compliance with European regulations, ensure their long-lasting life.

End of use: At the end of its lifecycle, the material can undergo pyrolysis, a burning process that happens in absence of oxygen and prevents CO2 release. Through pyrolysis PaperShell is converted into biochar. Biochar is a form of charcoal produced from plant matter made up of up to 90% of carbon, which locks CO2 effectively, avoiding its release into the atmosphere. Biochar is best used as soil enhancement, helping to restore the soil to its natural richness and hence supporting biodiversity, the key for a healthier and more balanced environment.

See our Environmental section for Accredited Product Certifications
GREENGUARD USA **EPD** Norway **Good Environmental Choice** Australia

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