

PRODUCT SCORING

CIRCULARITY















DESIGN FOR DISASSEMBLY



RECYCLING & REUSE



MANUFACTURING WASTE



1	Design for Disassembly (DfD)	X/100
2	Recycling & Reuse	X/100
3	Manufacturing Waste	X/100

Circularity score X/100

Scoring explained:

*The Circularity score is calculated with the condition that there is data available for at least two of the subcategories (Design for Disassembly, Recycling & Reuse, Manufacturing Waste), otherwise it is N/A.













1. DESIGN FOR DISASSEMBLY



1.1	Are the connections between the product and the building or other products reversible? (product level)	☐ Yes ☐ No	60 0
1.2	Are the connections between components within the product reversible? (component level)	☐ Yes ☐ No ☐ N/A	20 0 0
1.3	Are the connections between materials reversible? (material level)	☐ Yes ☐ No	10 0
1.4	How accessible are the connections?	☐ Accessible with standard tools☐ Accessible with special tools☐ Not accessible	10 5 0
		Max. score	100
		DfD score	X
		DfD (total score)	X/100

Scoring explained:

1.1 60 (yes) or 0 (no) points.

1.2 20 (yes) or 0 (no / not applicable) points.

1.3 10 (yes) or 0 (no) points.

1.4 If 1.1 – 1.3 are all "No": 0 points.

Otherwise: Either 10, 5, or 0 points, depending on accessibility of the connections.

Total score: Individual points added up, divided by max. score, and multiplied by 100.

DfD (total score) = sum(1.1, 1.2, 1.3, 1.4) / 100 * 100











2. RECYCLING & REUSE



2.2 What is the percentage of recycled materials in the product? (% of weight) 2.3 What is the percentage of recycled materials in the product? (% of weight) 2.3 What is the percentage of recycled materials in the product? (% of weight) 2.3 What is the percentage of recycled materials in the product? (% of weight) 2.3 What is the percentage of reused materials in the product? (% of weight) 2.3 What is the percentage of reused materials in the product? (% of weight) 2.6 Constant of the percentage of reused materials in the product? (% of weight) 2.6 Constant of the percentage of reused materials in the product? (% of weight) 2.6 Constant of the percentage of reused materials in the product? (% of weight) 2.7 Constant of the percentage of reused materials in the product? (% of weight) 2.8 Constant of the percentage of reused materials in the product? (% of weight) 2.9 Constant of the percentage of reused materials in the product? (% of weight) 3.5 Constant of the percentage of reused materials in the product? (% of weight) 3.5 Constant of the percentage of reused materials in the product? (% of weight) 3.6 Constant of the percentage of reused materials in the product? (% of weight) 3.6 Constant of the percentage of reused materials in the product? (% of weight) 3.6 Constant of the percentage of reused materials in the percenta	2.1	Is there a material passport for the	□Yes	10
2.2 What is the percentage of recycled materials in the product? (% of weight) 2.3 What is the percentage of recycled materials in the product? (% of weight) 2.4 What is the percentage of recycled materials in the product? (% of weight) 2.5		product?	□No	0
2.2 What is the percentage of recycled materials in the product? (% of weight) 2.3 What is the percentage of recycled materials in the product? (% of weight) 2.4 What is the percentage of recycled materials in the product? (% of weight) 2.5			□ 0%	0
2.2 What is the percentage of recycled materials in the product? (% of weight) 20-30%			□ 0-10%	0.5
2.2 What is the percentage of recycled materials in the product? (% of weight) 30-40%			□ 10-20%	1.5
2.2 What is the percentage of recycled materials in the product? (% of weight) 40-50%			□ 20-30%	2.5
2.2 materials in the product? (% of weight) 50-60%			□ 30-40%	3.5
2.3 What is the percentage of reused materials in the product? (% of weight) 50-60% 5.5 60-70% 7.5 80-90% 9.5 100% 10 0% 0 0-10% 0.5 10-20% 1.5 20-30% 2.5 30-40% 3.5 40-50% 4.5 50-60% 5.5 60-70% 6.5 70-80% 7.5 80-90% 8.5 90-100% 9.5 100% 10 0% 0 0 0 0 0 0 0 0 0	0.0		□ 40-50%	4.5
2.3 What is the percentage of reused materials in the product? (% of weight) 2.3 What is the percentage of reused materials in the product? (% of weight) 2.5	2.2		□ 50-60%	5.5
2.3 What is the percentage of reused materials in the product? (% of weight)			□ 60-70%	6.5
2.3 What is the percentage of reused materials in the product? (% of weight) 9.5 00%			□ 70-80%	7.5
2.3 What is the percentage of reused materials in the product? (% of weight) 2.6 00%			□ 80-90%	8.5
2.3 What is the percentage of reused materials in the product? (% of weight) 0 0.5 1.5 20-30% 30-40% 4.5 50-60% 60-70% 70-80% 80-90% 80-90% 90-100% 10 0 0.5 1.5			□ 90-100%	9.5
2.3 What is the percentage of reused materials in the product? (% of weight) 2.3 What is the percentage of reused materials in the product? (% of weight) 3.5			□ 100%	10
2.3 What is the percentage of reused materials in the product? (% of weight) 2.3 What is the percentage of reused materials in the product? (% of weight) 3.5			□ 0%	0
2.3 What is the percentage of reused materials in the product? (% of weight) 20-30%	2.3		□ 0-10%	0.5
2.3 What is the percentage of reused materials in the product? (% of weight) 30-40%			□ 10-20%	1.5
2.3 What is the percentage of reused materials in the product? (% of weight) 40-50%			□ 20-30%	2.5
2.3 in the product? (% of weight)			□ 30-40%	3.5
10 the product? (% of weight) 50-60% 5.5 6.5 6.5 70-80% 7.5 80-90% 8.5 90-100% 9.5 100% 10 0 0 0 0 0 0 10 1			□ 40-50%	4.5
□ 70-80% 7.5 □ 80-90% 8.5 □ 90-100% 9.5 □ 100% 10 □ 0% 0 □ 0-10% 0.5 □ 10-20% 1.5			□ 50-60%	5.5
□ 80-90% 8.5 □ 90-100% 9.5 □ 100% 10 □ 0% 0 □ 0-10% 0.5 □ 10-20% 1.5			□ 60-70%	6.5
□ 90-100% 9.5 □ 100% 10 □ 0% 0 □ 0-10% 0.5 □ 10-20% 1.5			□ 70-80%	7.5
□ 100% 10 □ 0% 0 □ 0-10% 0.5 □ 10-20% 1.5				8.5
□ 0% 0 □ 0-10% 0.5 □ 10-20% 1.5			□ 90-100%	9.5
□ 0-10% 0.5 □ 10-20% 1.5			□ 100%	10
□ 10-20% 1.5	2.4	What is the recycling potential of the product? (% of weight)	□ 0%	0
			□ 0-10%	0.5
20-30% 2.5			□ 10-20%	1.5
			□ 20-30%	2.5
30-40% 3.5			□ 30-40%	3.5
			□ 40-50%	4.5
product? (% of weight)			□ 50-60%	5.5
6.5				
7.5				
8.5				
90-100% 9.5				
□ 100% 10			□ 100%	10







		Пом	0
	What is the reuse potential of the product? (% of weight)	0%	0
		□ 0-10% □	0.5
		□ 10-20%	1.5
		□ 20-30%	2.5
		□ 30-40%	3.5
2.5		□ 40-50%	4.5
2.5		□ 50-60%	5.5
		□ 60-70%	6.5
		□ 70-80%	7.5
		□ 80-90%	8.5
		□ 90-100%	9.5
		□ 100%	10
2.6	What describes best the end-of-use of the product?	□ Reuse	10
		☐ Refurbishment	7.5
		☐ Recycling	5
		□Landfill	2.5
		☐ Incineration	0
		·	
		1	
Max. score			60
Recycling & Reuse score			X
Recycling & Reuse (total score)			X/100

Scoring explained:

2.1 10 (yes) or 0 (no) points.

2.2 – 2.5 If empty: 2.2, 2.3 = 0 points; 2.4, 2.5 = both same points as 2.6.

Otherwise: Score between 10 and 0 for each of the percentages.

2.6 Between 10 and 0 points assigned to every end-of-use potential. Average of all selected potentials is considered.

Total score: Individual points added up, divided by max. score, and multiplied by 100.

Recycling & Reuse (total score) = sum(2.1, 2.2, 2.3, 2.4, 2.5, 2.6) / 60 * 100











3. MANUFACTURING WASTE



3.1	What is the percentage of waste produced? (% of weight)	☐ 0% ☐ 2% ☐ 4% ☐ 6% ☐ 8% ☐ 10% ☐ 12%	10 9 8 7 6 5
		☐ 14% ☐ 16% ☐ 18% ☐ 20%	3 2 1 0
	How much waste is being recycled? (% of weight)	□ 0%	0
		□ 2%	1
		□ 4%	2
		□ 6%	3
		□ 8%	4
3.2		□ 10%	5
		☐ 12% —	6
		☐ 14% —	7
		☐ 16% —	8
		☐ 18%	9
		□ 20%	10
		.,	

Scoring explained:

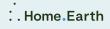
3.1 Score between 10 (0%) and 0 (20%) for each of the percentages.

3.2 If 3.1 is "0%": 10 points.

Otherwise: Score between 10 (100%) and 0 (0%) for each of the percentages.

Total score: Individual points added up, divided by max. score, and multiplied by 100.

Manufacturing Waste (total score) = sum(3.1, 3.2) / 20 * 100









Manufacturing Waste (total score)



Max. score

Manufacturing Waste score

20

X/100





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