

	Method: EF 3.0 (adopted) Normalisation: N/A			Database: Ecoinvent Tool: SimaPro			Source Material Ranking																		
Relative IC-Level Impacts																									
	Climate Change			Ozone depletion			Eco-toxicity, estimated																		
Aluminum	13.0%	19.1%	5.4%	10.0%	6.6%	31.9%	14.2%	72.9%	72.6%	12.5%	35.8%	19.8%	2.3%	2.8%	100.0%	73.3%	72.5%	74.0%	13	10	4	3	2	3	2
Brass	2.8%	10.0%	4.5%	42.7%	19.7%	100.0%	100.0%	16.2%	47.6%	24.5%	2.5%	2.8%	12.3%	100.0%	100.0%	11	9	2	1	1	1	1	1	1	
Copper	3.3%	10.1%	4.5%	100.0%	100.0%	100.0%	100.0%	16.2%	47.6%	24.5%	2.5%	2.8%	12.3%	100.0%	100.0%	11	9	2	1	1	1	1	1		
Steel	0.0%	4.0%	1.6%	1.2%	1.5%	0.0%	1.9%	0.0%	0.0%	2.2%	0.0%	0.0%	2.7%	1.0%	1.0%	20	15	15	18	14	10	20	13		
Cotton	3.0%	10.0%	2.0%	6.1%	9.4%	15.3%	6.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		
Silicon	1.3%	55.6%	4.7%	1.4%	0.7%	1.0%	1.4%	0.4%	1.0%	4.6%	2.9%	3.0%	0.1%	0.5%	2.3%	0.9%	16	3	7	17	17	15	11	14	
CFRP	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		
GFRP	8.3%	6.1%	3.9%	7.0%	6.0%	5.3%	1.2%	6.0%	5.7%	3.8%	5.9%	10.9%	0.1%	0.2%	1.0%	0.4%	4	14	10	8	9	9	10	14	
Epoxy	3.7%	28.2%	5.8%	5.5%	1.8%	2.4%	2.6%	1.3%	2.9%	4.6%	1.3%	7.3%	0.3%	0.9%	10.9%	4.2%	10	6	5	12	14	13	8	9	
Latex	1.0%	0.0%	0.0%	3.3%	1.9%	1.6%	0.0%	1.3%	2.8%	0.0%	1.5%	5.9%	0.0%	0.9%	0.0%	0.2%	17	20	15	13	14	20	11	12	
DMA	0.5%	18.9%	2.5%	0.0%	0.0%	0.3%	0.6%	9.9%	0.6%	1.7%	4.5%	0.1%	0.1%	1.4%	1.9%	1.9%	20	19	16	6	19	15	14	12	
BA	7.7%	0.1%	0.0%	6.3%	3.8%	4.8%	0.6%	7.6%	6.0%	0.0%	6.6%	10.3%	0.0%	0.0%	0.0%	0.0%	2	19	19	5	12	10	17	20	
PBDE	12.5%	78.2%	0.1%	23.9%	10.3%	15.8%	4.2%	13.4%	48.7%	10.0%	10.0%	1.1%	0.3%	1.4%	22.8%	6.3%	12	11	14	7	10	7	7		
PC	7.7%	0.5%	0.0%	5.7%	9.8%	3.7%	0.5%	1.8%	4.2%	0.2%	1.2%	7.7%	0.0%	2.9%	1.2%	3.2%	6	18	18	11	11	17	13	8	
PET	1.5%	6.7%	2.2%	1.6%	0.7%	0.8%	1.0%	0.3%	0.8%	2.5%	0.6%	4.9%	0.2%	0.2%	0.0%	0.7%	15	13	13	16	12	18	13	9	
PF	1.7%	6.5%	2.6%	4.4%	0.8%	0.9%	2.0%	0.7%	2.9%	0.9%	6.5%	0.2%	0.4%	26.5%	1.7%	14	12	8	14	16	9	15	5		
NOMEX HC	0.8%	0.6%	0.1%	12.2%	5.9%	7.4%	0.5%	3.6%	5.7%	0.2%	0.6%	11.1%	0.0%	0.1%	0.0%	0.5%	5	17	17	6	10	18	17	17	
PU Flexible Foam	4.2%	0.8%	0.0%	4.5%	7.5%	3.1%	0.8%	3.0%	3.8%	0.6%	3.3%	7.3%	0.1%	0.3%	10.7%	8.1%	8	5	3	7	11	9	7	8	
PU Rigid Foam	4.7%	32.1%	9.3%	9.0%	5.6%	4.9%	3.2%	5.1%	6.1%	3.0%	3.1%	9.1%	0.6%	0.4%	10.7%	8.2%	14	11	29	18	12	25	21	15	
PVC	0.0%	42.0%	2.6%	0.0%	0.2%	0.0%	0.2%	1.2%	0.2%	0.0%	2.0%	0.2%	0.2%	0.0%	0.2%	0.2%	18	4	11	29	25	18	22	15	
Criteria Weights:	14.63	13.53	5.32	10.87	11.68	12.73	2.42	2.42	3.79	6.86	7.30	9.08	11.68	11.52	8.250	8.250	8.250	8.250	8.250	8.250	8.250	8.250			
Global Warming / Climate Change																									
Ozone Depletion																									
Ionizing radiation																									
Human health: Ozone formation																									
Human Health: Respiratory Effects																									
Acidification																									
Freshwater eutrophication																									
Marine eutrophication																									
Inventory-Based Adjustment	Seats			Linings			Bins			Floor			Linings			Bins			Floor						
	Linen			Bins			Floor			Linings			Bins			Floor			Linings						
	Bins			Floor			Linings			Bins			Floor			Linings			Bins						
	Floor			Linings			Bins			Floor			Linings			Bins			Floor						

Terrestrial eutrophication		Land use				Water Scarcity				Depletion of Energy & Fuels				Depletion of Minerals & Metals				Human Health: Non-carcinogenic				Human Health: Carcinogenic				Freshwater ecotoxicity																																															
Category	Sub-Category	Linings	Bins	Floor	Linings	Bins	Floor	Linings	Bins	Floor	Linings	Bins	Floor	Linings	Bins	Floor	Linings	Bins	Floor	Linings	Bins	Floor	Linings	Bins	Floor	Linings	Bins	Floor																																													
I: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	60.62	29.91	79.10	22.36	2.41	30.42	15.01	8.77	2.48	0.27	3.37	1.66	99.63	28.17	3.03	38.32	1.73	0.49	0.05	0.67	0.33	19.80	9.77	237.53	7.23	63.17	17.86	1.92	11.99																																									
II: Composite Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	44.56	4.79	10.95	3.57	6.06	0.41	0.70	0.41	0.29	0.03	0.50	0.85	18.00	30.60	0.03	12.20	2.44	1.20	0.15	0.34	0.37	13.20	1.20	13.95	23.71	1.20	22.83	1.20	1.20																																									
III: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	17.04	206.85	6.87	7.39	1.96	35.00	218.21	0.11	0.15	0.03	0.02	0.06	0.02	18.90	35.00	0.37	0.37	1.19	0.09	0.09	0.09	0.09	0.09	19.80	9.77	63.50	68.37	4.05	4.36	2.22																																								
IV: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	138.58	0.02	0.03	547.43	0.03	0.11	0.15	0.07	0.09	0.07	0.09	0.06	64.89	0.07	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	59.40	0.06	0.08	0.02	0.03																																						
V: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	656.40	7.42	49.05	10.70	1.47	10.48	4.93	32.62	7.12	1.96	1.64	0.62	0.90	1.19	9.53	2.82	11.59	1.86	14.89	4.41	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86																																					
VI: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	55.65	8.62	2.55	3.20	0.00	0.03	0.01	0.04	0.04	0.04	0.04	0.04	0.04	15.88	0.03	0.03	102.07	0.18	0.14	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	42.09	0.08	0.08																																				
VII: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	0.71	0.54	0.15	0.55	3.38	2.29	1.76	0.49	1.78	0.53	0.41	0.11	0.41	0.35	0.35	0.35	4.40	3.37	0.94	0.34	0.19	0.15	0.04	0.15	0.15	0.27	0.21	0.06	0.21	0.88	0.68	0.19	0.69	0.13	0.48																																			
VIII: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	49.28	26.47	0.80	21.63	0.05	0.24	0.34	0.23	0.09	0.99	0.23	0.09	0.99	0.143	8.19	49.18	13.33	0.40	39.60	1.20	1.01	0.02	0.01	0.09	0.13	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02																																		
IX: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	164.1	657.5	23.9	20.4	15.6	49.2	7.8	30.0	29.9	82.7	547.4	271.6	18.8	7.0	33.1	39.9	36.8	15.1	9.2	66.1	30.8	4.2	11.0	50.9	17.3	48.1	1.7	100.1	658.3	363.0	13.3	31.5	94.2	65.2	26.0	19.0	19.7	5.0	5.1	31.4	2.6	0.6	0.3	64.7	78.5	141.1	30.6	2.3	1.8	20.6	1.3	9.8	251.5	195.9	67.0	113.5	8.9	8.5	101.9	8.7	45.2	76.6	244.5	20.7	32.0	3.9	3.8	26.0	2.9	12.0
X: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	12.0%	48.2%	23.7%	1.5%	1.6%	3.6%	5.4%	2.7%	2.2%	7.9%	52.0%	25.8%	1.8%	0.7%	3.1%	3.8%	3.5%	1.4%	1.8%	12.8%	59.7%	0.9%	2.1%	9.8%	3.3%	9.3%	0.3%	7.3%	48.0%	26.5%	1.0%	2.3%	6.9%	4.8%	1.9%	4.9%	0.4%	0.9%	1.5%	0.4%	0.5%	18.2%	22.1%	39.6%	10.1%	0.6%	0.5%	5.8%	4.0%	2.7%	18.5%	14.4%	46.1%	8.3%	0.7%	0.6%	3.3%	12.3%	39.3%	35.5%	5.1%	0.6%	0.6%	4.2%	0.5%	1.9%				
XI: Metallic Structure	Linings	Vii. Carpet Panel	Vii. Overhead Panel	3	1	2	8	9	5	4	6	7	3	1	2	4	7	9	6	4	5	8	7	2	1	8	6	3	1	2	9	4	5	7	8	5	6	2	3	1	4	7	9	5	6	2	3	1	4	7	9	6	2	3	1	2	4	7	8	5	9	6											