

## Material Strengths Chart

Material Strength	Substances
0	Flesh, Paper
1	Balsa Wood, Most Cloths, Glass
2	Cloth, Denim, Soft Leather, Wood
3	Gold, Shoe Leather, Rubber
4	Tanned Leather, Vulcanized Rubber
5	Ceramics, Hard Plastics, Silver
6	Bone, Lead, Polymerized Plastics
7	Bronze, Fiberglass, Sandstone
8	Bricks, High-Strength Ceramics, Kevlar, Limestone
9	Aluminum, Asphalt, High Strength Plastics
10	Bulletproof Glass, Concrete, Iron, Super High Strength Plastics
11	Diamond, Marble, Steel, Wrought Iron
12	Industrial Ceramics, Reinforced Concrete, Stainless Steels
13	Advanced Steel Alloys, Carbon Steel, Tool-Grade Steels
14	High-Strength Low-Alloy Steels (HSLA Steels)
15	Granite, Osmium Steel, Some Titanium Alloys
16	Antarctic Vibranium, Titanium
17	Vanadium Steel, Some Titanium Alloys, Titanium Steel
18	Titanium-Vanadium Alloys, Wakandan Vibranium
19	Adamantium Steel, Depleted Uranium
20	Pure Adamantium, Some Magical Metals
21	Adamantium-Vibranium Alloys
22	Adamantium-Vibranium Alloys
23	Adamantium-Vibranium Alloys
24	Adamantium-Vibranium Alloys
25	Adamantium-Vibranium Alloys
26	Silver Surfer's Board
27	
28	Juggernaut's Armor, Thor's Hammer, Uru
29	
30	Celestial Armor, Galactus' Armor

A material's base Material Strength is for up to 6 inches of material. Material Strength can be increased by +1 intensity per 6 inches of thickness. Let's take a wall made of Stainless Steel (Material Strength 12) for example. At up to 6 inches thick, the wall is Material Strength 12. But at 7-12 inches thick, it becomes Material Strength 13. At 13-18 inches thick, the wall becomes Material Strength 14. Therefore, a person designing a building might want to use Osmium Steel (Material Strength 15) because a wall 6 inches thick would be stronger than a stainless steel wall 18 inches thick and leave one foot of extra usable space along each wall. Even at a much higher price per pound, Osmium Steel might be comparably affordable, since only 1/3 of the material would be needed and you gain the benefit of extra usable space.