

Monoplate

Monoplate is a [material](#) produced by the [Iron Company](#).

History and Background

Monoplate is a nano-forged([🤖 nanomachine](#) assembled) [material](#) that was first produced by [humans](#) in their home universe called Valhalla. The origin of this technology pre-dates the company's founding in [BYE 90](#) and it still is produced in [YE 44](#).

Year of Creation	Pre-BYE 90
Designer	Iron Company (Current Design)
Manufacturer	Iron Company
Fielded by	Iron Company
Availability	Limited Production
Damage Rating	Dependant on Scale of Product ¹⁾
Cost	Very Expensive depending on structure ²⁾

Manufacturing

The only real improvement it has seen is that the original material was machine forged, while currently the material is [🤖 nanomachine](#) assembled.

Commonly mined materials, both from terrestrial and asteroid sources such as [🪄 steel](#), [🪄 tungsten](#), [🪄 nickel](#), [🪄 titanium](#), and [🪄 iridium](#) is made into a monomolecular material substance, which has been called Monoplate. It can be used at various scales similar to [Durandium Alloy](#) and other existing in-universe metals, however, it is expensive for the [Iron Company](#) to produce so is not frequently seen. It can also be produced by using Matter-Energy conversion technology where such converters are present and applicable.

It is considered Heavy Armor when applied to [Damage Rating \(Version 3\)](#).

Weaknesses

Like any [🪄 matter](#)-based armor or protection it is more susceptible to damage by [antimatter](#) and high energy plasmas such as [Aether](#).

OOC Notes

[Commissar Farzi](#) created this article on 2021/02/17 19:50. [Andrew](#) assisted on 2022/10/28 during think tank meeting on discord.

Approved by [Wes](#) on 2022/11/10.³⁾

1)

in [Damage Rating \(Version 3\)](#), Can be considered Heavy Armor when applied to [Star Army of Yamatai Starship Speeds](#)

2)

Always considered Very Expensive for Armor Applications

3)

<https://stararmy.com/roleplay-forum/threads/monoplate-material.69473/#post-431087>

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