

Osmanium

Osmanium is a self-repairing material made by the [OSO](#). It is similar to [Yamataium](#) in properties, but less heavy and slightly less effective at protection.

History

Osmanium was created in [YE 39](#) by the [OSO](#). It was developed as an attempt to produce a medium weight armor for general use that could also be exported. After the diaspora of previous OSO members, it is a niche but more widely used material. The [New Dusk Conclave](#) is now one of its most frequent users.

Properties

Osmanium is composed out of hexagonal flakes of [graphene](#) embedded into a [nickel-titanium alloy](#) that hardens when impacted, heated or exposed to energy weapons, and returns to its original shape after deformation or a puncture. Osmanium is highly resistant to kinetic, heat, and energy weapons, but is vulnerable to cutting implements or any attacks which can separate off/destroy parts of the armor before "regeneration", or return to original shape, can occur.

Production

While Graphene is a material which is known by most civilizations in the information age, the alloy used in Osmanium was once a closely guarded secret of the OSO, and their only materials technology. Currently, several manufacturers linked to the OSO, such as [Black Wing Enterprises](#) and [Osman Heavy Industries](#) make use of it.

Stats

- **Producers:** [OSO/Exodus Fleet/New Dusk Conclave](#)
- **Cost:** Moderately Expensive at time of creation, now as affordable as [Durandium Alloy](#) when acquired from NDC affiliated parties or [Osman Heavy Industries](#).
- **Armor Class:** [Medium](#)

OOO Notes

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