

SEA Shielding System

Static Electric Ablation (Ablative) Shield "SEAS"

Manufacturer: [Zen Armaments](#) Vaporizes incoming missiles, etc.

Technical Information

Superheats approaching matter to plasma by means of an array of superconductive/nonconductive particles suspended around the ship in three layers - one being positively charged, the other negatively, and an insulator layer in between. These would be most commonly kept in place by the [EMBLEM](#)'s magnetic field, which would easily deflect the resulting plasma, but the Nodal system or someone with telekinetic abilities could also do it. When the matter penetrates the insulator, it allows the static electricity in the inner layer to pass to the outer layer, in the form of a pretty arc which releases an insane amount of heat. It happens too fast to even allow for explosion of contained material.

When deactivated, the insulator is first dissolved and syphoned into the ship. This leaves the superconductor particles open to zap each other and turn into plasma themselves, which they do, then cool down (since it's in space) and are also recalled. This entire process takes about five minutes and is generally put into action pending landing clearance or, in the case of fancier ships, hyperspace jumps (wouldn't it be great to find yourself suddenly part of a ship-sized nebula in the middle of literally nowhere?)

The superconductor is a metal alloy which is solid at room temperature but liquid at the boiling point of water and costs approximately 100KS per kilogram to replace. One kilogram covers a surface area of approximately 10 square meters, so a flagship might cost as much as 10 million KS to cover while for a small commercial shuttle it might be closer to 5000 KS. Most of the time, the majority of it can be recovered, even when it has sustained heavy damage.

- **Protects well against:** Coherent real matter, antimatter
- **Protects moderately against:** non-coherent real matter (particle beams, ions, etc.)
- **Protects poorly against:** Lasers, aether
- **Provides no against:** transposition weapons

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