

Starshield Nanoflare Barrier

Nanoflare barriers are nanomaterial fire blankets developed by the [Yugumo Corporation](#) in [YE 45](#).



Year of Creation	YE 45
Designer	Yugumo Corporation
Nomenclature	YU-U1-1A
Manufacturer	Yugumo Corporation
Fielded by	Yugumo Corporation
Availability	Mass Production
Price	Starting at 50KS

History and Background

Nanoflare barriers were developed by the [Yugumo Corporation](#) as part of their [Yugumo Standard Fire-Fighting Equipment and Systems](#) in [YE 45](#). They replace the traditional 🧯 [Fire Blankets](#) with nanomaterial-based fire blankets which incorporate cutting-edge nanomaterials designed to provide superior protection against intense heat and flames.

Function and Design

Despite its remarkable heat resistance, Nanoflare remains lightweight and highly flexible. This makes it easy to handle and wrap around the body or equipment, ensuring that individuals can use it effectively in emergency situations

Nanotube Matrix

Nanoflare Barrier's core component is a dense network of 🧠 [carbon nanotubes](#), which are incredibly strong and conductive. These nanotubes are arranged in a highly organized structure that enhances the material's strength and heat resistance.

Heat-Resistant Polymer

To create a flexible and durable material, the fire blanket is embedded within a heat-resistant 🧠 [polymer](#) matrix. This polymer matrix is specially formulated to maintain its integrity even under extreme temperatures, ensuring the blanket remains effective during use.

Usage

Nanoflare Barriers are utilized like traditional 🧠 [Fire Blankets](#) to extinguish fires on individuals or equipment.

Nanoflare Barrier possesses excellent thermal conductivity properties. This allows it to dissipate heat efficiently, preventing the temperature from rising to dangerous levels beneath the blanket. This feature is crucial for safeguarding individuals from radiant heat. Despite its remarkable heat resistance, the Nanoflare Barrier remains lightweight and highly flexible. This makes it easy to handle and wrap around the body, ensuring that individuals can use it effectively in emergency situations.

Rapid Deployment

The Nanoflare Barrier nanomaterial is integrated into fire blankets, which can be easily stored and rapidly deployed in the event of a fire. The blankets are designed to unfurl quickly, covering and protecting individuals from flames and heat.

Self-Extinguishing

Nanoflare Barrier also has a self-extinguishing property. When exposed to flames, it releases a fire-retardant chemical that helps suppress the fire, providing an added layer of protection.

Durability and Longevity

Nanoflare Barrier's advanced nanomaterial composition ensures that fire blankets have a longer lifespan than traditional fire safety equipment, making them a cost-effective choice for long-term use.

Sizes

Nanoflare Barriers come in various sizes to accommodate different needs and applications. Here is a list of common fire blanket sizes:

- 1m x 1m (3.28 feet x 3.28 feet): This is a standard size often used in homes, kitchens, and small workshops. Priced at 50KS.
- 1.2m x 1.2m (3.94 feet x 3.94 feet): A slightly larger size that provides more coverage and is suitable for larger fires or for covering a person during an emergency. 60KS
- 1.8m x 1.8m (5.91 feet x 5.91 feet): Larger fire blankets are designed for commercial or industrial settings where larger fires may occur.Priced at 75KS.
- 2m x 2m (6.56 feet x 6.56 feet): Extra-large fire blankets for industrial use or for covering larger equipment or machinery. Priced at 100KS.
- Custom Sizes: In addition to standard sizes, [Yugumo Corporation](#) offers custom-sized fire blankets to meet specific requirements. Prices start at 100KS.

OOC Notes

[Andrew](#) created this article on 2023/09/09 09:12. Created with assistance from ChatGPT.

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Products & Items Database	
Product Categories	safety equipment
Product Name	Starshield Nanoflare Barrier
Nomenclature	YU-U1-1A
Manufacturer	Yugumo Corporation , Yugumo Fleetworks
Year Released	YE 45
Price (KS)	50.00 KS
DR v3 max	Tier 0

¹⁾
<https://starmy.com/roleplay-forum/threads/yugumo-standard-fire-fighting-equipment-and-systems.70852/#post-440037>

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