


Kimball Muur Custom "Shadowmail"

This variant, the "Shadowmail", was created for use by police snipers and single, special operators such as would adequately be able to surprise the enemy, whatever sort that might be. Therefore, the goals for its production were to provide an armor that could:

- Traverse vertical surfaces for superior positioning.
- Slightly enhance a regular Neplesian's strength, speed, and reaction time using modern technologies.
- Produce a natural camouflage against most forms of visual, thermal, and electromagnetic detection.

General

"When I created this armor, I hacked off a lot of it, yeah, and I used lighter materials. But it's because I  needed to move in it - that's what I made it for. I needed to be able to climb, to get to where I needed to go, and then I needed to remain unseen. Also, my shoulder's always hurt from high-caliber recoil, so fuck it." - Alexis, on the Shadowmail Variant

Build Philosophy and Appearance

The first thing most connoisseurs notice about this armor is its notable lack of bulk; many of the Muur armor's Zwaarblok plates were foregone during its construction, and others were thinned down to smooth their corners. It retains a smoother, form-fitting Zwaarblok chestpiece, shoulders, and covers the vulnerable torso, neck, shoulders, groin, knees, forearms, and feet. There are places to strap on holsters and similar equipment, and a thin belt that could usually carry extra magazines of ammunition comfortably, along with a holster for a sidearm. Beneath all this is a nearly skintight layer of Ballistics Mesh, which is lightly padded, and tightly supported near the knees, hips, and ankle joints, with a "web" of Nylon which acts as a force-multiplier when interacting with other parts of the web. It comes in the female variant only, and has been form-fitted for Alexis Kimball-Styrling.

Notably, at the small of the suit's back, there is a space for a single battery charge pack, along with a simple-to-use set of controls which are used to power, activate, and deactivate the suit's stealth capabilities. The entire suit has been coated with a thin mesh of Sitearium, a metmetal which when charged provides a refractive surface which can fool most normal optics and confuse electromagnetic sensors, rendering the user effectively invisible to both, though use in atmosphere can cause a heat-like waver and is not advised.

Deactivated, the Sitearium coating gives the entire suit a distinctive silvery hue, giving it the nickname of "Silver Shadowmail."

The armor does not have a helmet, and instead is equipped with a hooded cloak woven with Radiation Protection Polymerase, connected beneath the armored shoulders of the Muur (thus benefitting from its coating of Sitearium as well) and coming to about mid-thigh, which prevents thermal radiation from

escaping. This trades off the more standard Muur armor's normal radiation protection with thermal dampening. This cloak covers most of the user's most distinctive thermal morphology, and though it is not foolproof, a practical user can wisely utilize the ability to great effect.

For use by Alexis Kimball-Styring herself, the right sleeve and bracer are notably missing, as they would be redundant to her automail. Instead, the armor's right shoulder is heavily padded to soften recoil.

It is donned bodysuit first, with the subsequent armor plates and equipment being modular.

Armor

Primary Materials: Zwaarblok (Plating), Sitearium (Coating)

Secondary Materials: Ballistic Mesh Padding (bodysuit), Radiation Protection Polymerase (Cloak)

PDR: 3. Though made of sturdy stuff, the Zwaarblok plating is thinner, the mesh more mobile, and the Muur's helmet is missing, making the user vulnerable in combat situations where they can be seen.

Electronics

Basic Neural Interface

The hood is equipped with a small jack which can connect with most compatible headsets, visors, goggles, or Styring equipment, allowing basic charging functionality for optional optics.

Sitearium Stealth Suite

Sitearium, formerly in use only by the now-defunct Motoyoshi clan, made its way into Nepleslia after several rescue operations undertaken by NAM. In use, sitearium is a metametal which can be charged with low voltage electricity, and which will refract light in certain ways, rendering the user effectively invisible. This option is controlled by the battery charge pack assembly, which is located at the small of the back. It can take BR-28A Batteries or similarly compatible batteries.

Stand-Alone Charge Life: 12-16 hours.

Vertical Mobility Assembly

One of the primary design functions of Shadowmail is vertical mobility, and it accomplishes this through a set of gloves, boots, and kneepads which possess a small neutral net that can be temporarily charged to

'stick' to most surfaces reliably. However, the user is warned that the use of this function tends to deactivate the Sitearium, which is sensitive to changes in electromagnetism.

Stand Alone Charge Life: 3 days, provided intermittent use. This is meant to be used only situationally, and does not consume a large amount of battery power.

Muscle Yield Assist and Support System (MYASS)

The bodysuit seeks to employ a system (or web) of closed-loop controlled actuation, transmission, and functional structures that protect injury prone areas, focusing on the soft tissues that connect and interface with the skeletal system. This is accomplished with a series of kevlar or nylon-based nanomuscles actuated in a similar way to the military equivalent NAM uses in its powered armors, but adapted to more limited civilian use.

In lighter armor, MYASS can be used to prevent, reduce, ambulate, and assist with healing of acute and chronic musculoskeletal injuries. However, its primary use in this suit is in its capacity to augment positive work done by the muscles, to reduce the physical burden of the wearer by leveraging the nylon web structure to impart joint torque at the ankle, knee, and hip joints. It operates off the battery charge pack, and roughly enhances the muscles involved by ~1.5 times.

Stand Alone Charge Life: ~10 hours, provided intermittent use. While this can be used continuously, it is recommended that it is used in short bursts to prevent muscle fatigue, and to reduce power consumption.

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Last update: **2023/12/21 04:30**

