

Sensory Smart Coating

The Sensory Smart Coating designed by [Galactic Horizon](#) in [YE 40](#) acts as a special sensory camouflage material and was created with personnel-sized equipment in mind.

About the Smart Coating

Using microlight emission sensors the coating is able to identify the colors and intensity of light around it, this data is used by the coating to mimic the colors and patterns around it. The accuracy of the mimicry depends on the situation and complexity of patterns and designs it is attempting to blend with.

Additionally, this coating can modify its heat signature slightly with a range of 15 degrees Celsius in either direction from the current room temperature. This tactic is useful for evading thermal imaging and sensors but is not perfect like the chameleon ability, it can be seen if someone is specifically looking for an anomaly.

The active component within the coating is the nanomachine emission bots, running on power supplied from the suit allowing them to act on given commands. Controlling the nanomachines is simple and relies on basic impulse commands, slight differences in the intensity and speed of this micropulse are detected and translated to commands.

Designer	Galactic Horizon
Manufacturers	Galactic Horizon
Availability	open market item
Created	YE 40
Price	75KS per square metre

Below is a table showing a simplified summary of the effectiveness of the sensory coating against several detection types. Each score goes to 5 on either side of 0 (-5/+5), while not offering full-spectrum stealth-like some highly advanced systems the Sensory Coating is able to camouflage objects against the most widely used detection types. Detection types and stealth countermeasures designed to interfere with magnetism or short circuit electronic devices are especially effective against this coating. Furthermore, the stealth offered by the coating does not reduce the physical presence or existence of the object, as such pressure-activated sensors and sonic detection work against it as normal.

Detection Type	Effectiveness
Naked Visual	+4
Thermal	+2
Enhanced Visual	+1
Nightvision	+1
Infrared	+1
Motion sensors	+1
Acoustic Ping	0

Detection Type	Effectiveness
Pressure Sensors	0
Magnetic Ping	-1
EMP	-3

OOC Notes

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