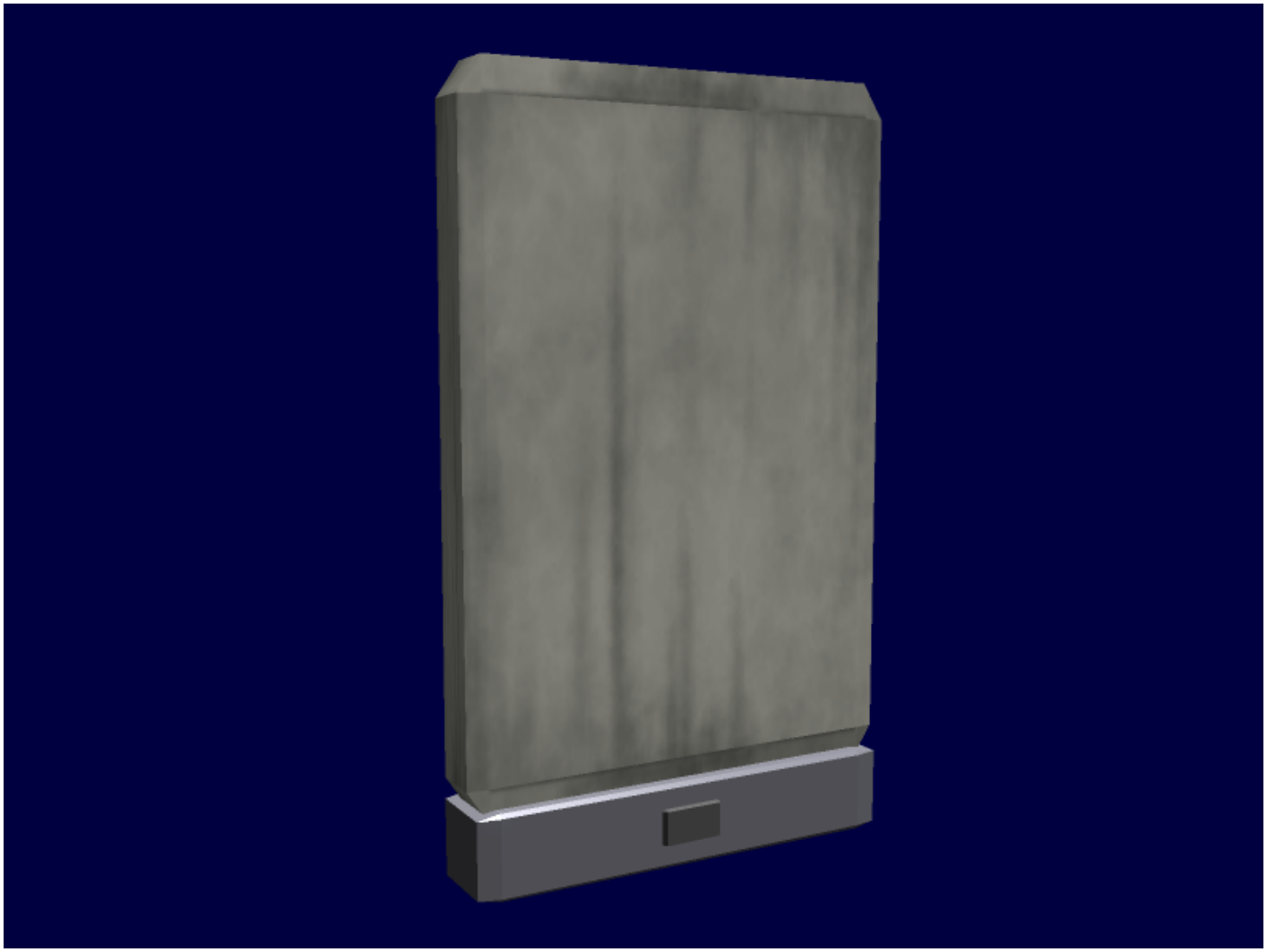
Stick-A-Wall

Stick-A-Wall is a simple design that Yuki Toshiro designed in YE 32 for inflatable wall segments up to 5 meters high which could be placed or moved around in a ship; or in various other places to create custom rooms to sort cargo, handle a sudden increase in personnel, or simply provide some extra privacy in key areas.. They can also be used in Standard Starship Cargo Containers along their height (the whole meter numbers) to split the containers into compartments quite easily.



Producers

Toshiro's shipyard is the original producer of the walls, though the technology has also been licensed to Origin Industries. They have agreed to keep their prices the same for this item, changing them at the same time for the same amount if necessary. This permits either from gaining an unfair advantage. Origin's 30% discount for large corporations is still permissible, and Toshiro reserves the right to do the same – once production facilities allow him to fill massive orders.

Price

Wall Panel – One Meter: 25 KS Wall Panel – Two Meter: 50 KS Wall Panel – Four Meter: 100 KS Collapsible Corner Post: 50 KS Door Panel – One Meter: 75 KS Door Panel – Two Meter: 150 KS Stick-A-Wall Control System: 200 KS

Note that if the Stick-A-Walls are removed and replaced with permanent walls by Toshiro or his personnel, the Stick-A-Wall panels can be sold back to him for 40% of the original price and applied toward the cost of the new walls if desired – assuming them to be in adequate condition for reuse.

Parts and Function

Stick-A-Wall comes in the form of multiple wall panels (typically rectangular containers one, two, or four meter in length by 25cm thick and tall), multiple collapsible corner posts(usually 25cm x 25cm x 1m when stored), and two kinds of door panels which have a version of the one or two meter rectangular container on top. All door panels' functions are triggered by a computer system which connects to the panels wirelessly, or through the wired connection. The computer can be a stand-alone panel, or routed through the ship's existing computer system via software.

When in use, the wall inflates from the base and can be as high as 5 meters. The wall Corners telescope upward rather than inflate. Many different colors are available, such as black, white, grey, cream, red, blue, etc. The default color is white.

Wall Panels

The basic wall panel container has Molecure Solution pads while the top has a slot running along the middle of its length. It also has a flush power connector on each end to connect it to ship's power or to adjacent wall panels, power connectors to plug appliances into the wall, a deflated stain resistant bag inside with Molecure Solution on the edges, and a canister of a special non-toxic liquid inside.

Power System

The power system is all in parallel, to keep the voltage uniform across the entire system. This allows the power lines in the containers (which become the bases of the walls) to stay uniform in voltage output, and permits them to drive power outlets. The number of power outlets in a room is equal to the number of standard panels in the room – corner panels lack these outlets. To prevent excessive amperage, each section's power system contains an amperage limiting diode. If the wall outlets cannot power the devices plugged into them or if there are generally flaws in power distribution due to the arrangement of the walls, it will show up on the Control System and make recommendations.

It should be noted that panels used in cargo containers typically have a small battery instead of using wall power.

Canister and Bag

The canister contains a special liquid which, when electrically charged, becomes a foam which inflates the connected bag straight upward to meet the ceiling and adhere to it with the Molecure Solution. Similarly, the sides of the new wall panel inflate out past the container slightly to adhere to other wall panels or even to the sides of the door panels. When the bag cannot expand any further, the system automatically detects this via pressure and stops producing foam. The end result is a wall panel with built-in semi-rigid foam insulation and limited soundproofing ability – though the room is hardly airtight. While not as durable as a normal wall, it is suitable for most intents and purposes. Power is only consumed when converting the liquid into foam and back again.

The wall, as a result, essentially inflates out of the base via the slot on top, and can retract as well. This allows it to be any height, up to 5 meters.

Corner Posts

The Corner Posts are little more than telescopic metal blocks, which adhere to the ceiling and floor with Molecure Solution Pads. The adjacent Wall and/or Door Panels adhere to them with Molecure Solution for support. They have plugs built in for connecting to adjacent wall and door panels to transfer power.

One Meter Door Panels

These are standard doors which are useful for smaller rooms like makeshift bedrooms. These have no power plugs for external devices, though they connect power from adjacent wall segments via side plugs to the one meter wall panel on top. They also have Molecure Solution on the sides as well. These feature hinges, false wood paneling, locks, and doorknobs.

Two Meter Door Panels

These are wide doors which actually slide open and admit entrance thanks to motion sensors on either side. They come with a keypad for optionally setting and inputting a key code for opening the door. They are best used for rooms with heavy traffic or lots of space, and have a two meter wall panel on top. They also have Molecure Solution on the sides and connect to the power system through side plugs.

Stick-A-Wall Control System

Stick-A-Wall Control System is a simple computer which can control the status of the various panels set to its wireless frequency, usually via a two dimensional grid. It is a very simple system with some encryption, so it is common for this to be omitted and instead handled by a host ship’s computer through free software.

Permanent Replacement Option

Toshiro's shipyards will replace any Stick-A-Wall configuration on a ship with 25 meter thick permanent wall and doorways at a price. Client can determine location of power plugs and choose color and form. He may also have installers come to a site on or off planet, if the job and transport isn't too costly or dangerous.

Note that if replacing a Stick-A-Wall configuration, the customer has the option of selling the Stick-A-Wall back to Toshiro at 40% the new price, to apply that to the new walls. It is required that the walls be in reasonable condition, and capable of reuse.

Prices for Replacement Wall

These prices assume that the wall requested is not overly ornate or oddly shaped. They also assume the walls to be 5 meters high or less and 25 cm thick. Walls typically have two panels of material with insulation inside. Custom paneling or custom integration of things like furniture and systems into the walls may cost extra

Normal ADNR wall: 150 KS per meter long Normal Durandium wall: 300 KS per meter long One Meter Door: 50 KS each + base wall cost Two Meter Door: 100 KS each + base wall cost Volumetric Paneling: 100 KS per meter + base wall cost