

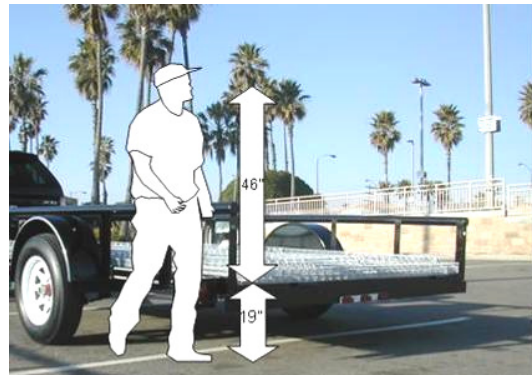
V-Squared™ STAND System **Temporary Site Security System** **Frequently Asked Questions (FAQs)**

OVERVIEW

Depending on the market there seem to be three different approaches to the rental fence business. First, is driven posts with mesh tied to them. Although this was the mainstay of the business in years past, it has been losing ground to panel fence. Panels offer many advantages such as greater flexibility to remove then replace sections of fence to easily permit access to easements or to position equipment. All V-Squared systems have the modularity of panel systems while solving the major drawbacks associated with them. Our approach has been to recognize that markets have different needs. Some contractors favor driven posts with the flexibility of only using stands when necessary, this maintains the flexibility of a modular system with the greater stability of a driven post. Other markets prefer panels mounted on stands; which is much simpler when most installations are on paved surfaces. Our goal is to support our customers with solutions that fit both approaches while delivering the exclusive efficiencies of V-Squared in both our V-Squared Post System and our V-Squared Stand System. This document focuses on our Stand System, refer to the Post System FAQ paper for information on that system.

Labor is our biggest headache, how can your product help me with that? The unique features of being easier to stack transport, and handle, of V-Squared will make a real world difference in your business by making your crew's job less difficult. This unique combination of strength and ease of handling in a lighter weight design has the obvious implications in terms of enhanced employee recruitment opportunities, and improved job satisfaction.

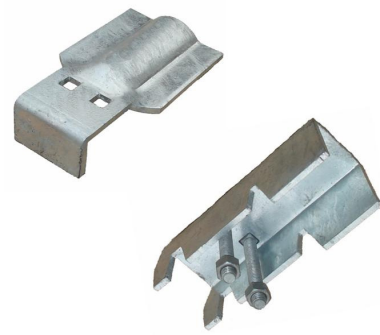
While these benefits alone are substantial, the lighter transportation efficiency of V-Squared could potentially radically change your approach to the business. Consider the hardworking crew with the full load of chain link panels pictured below and in our PowerPoint Slide Show (see it again on line at www.V2Panel.com). The same lineal footage of panels shown on their heavy duty truck (approx 876') could fit on a utility trailer with a GVWR less than 10,000 lbs, pulled by a pickup or 1 ton truck which typically would not require a CDL licensed driver. More importantly the stack of V-Squared panels would only be about 46" tall so sitting on a trailer with a 19-20" deck height your crew can work from the ground rather than climbing up the truck and stack of panels.



Does it make a good gate? It wasn't designed as a gate, but it can easily be adapted to function as a gate. V-Squared was designed from the start as a panel, assuming that it would be fixed at four corners. With that in mind the panel's strength is designed to be in center-point beam loading as demonstrated in the photo. The panel will flex diagonally (torsionally) however; so when used as a gate it will have virtually no vertical sag but will twist corner to corner at the latch side (free end).



How do I adapt a panel and make it into a gate? Since contractors that are accustomed to stand systems, routinely use their panels as a gate (they are a gate after all) we have designed a gate adapter system to quickly convert a panel into a gate in the field. One side of our RF gate adapter ells are welded to a length of ordinary 1 3/8" or 1 5/8" tubing. This fixture can be placed into the wire tendon (rib) at the top and bottom and bolted to the RF section using the other side of the ell, stiffening the panel to function as a gate.



Gate ell installed front



Gate ell installed weld to tube.



Modified panel 2" deflection under 40# diagonal load.

How else does V-Squared save labor? Have you tried to slide one ordinary panel across another? V-Squared's heavy 4 gauge wire at the "top" of the structural bend creates a smooth set of "rails" to slide one panel lengthwise down the panel below until it drops into its nesting position. This simple but unique advantage makes field handling of the panels exponentially easier.



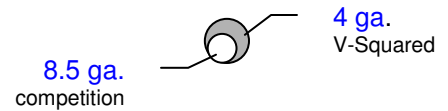
1. Each V has a straight wire the length of the panel creating a set of "rail tracks".



2. The RF upright can slide down these "tracks" until dropping neatly aligned onto the stack.

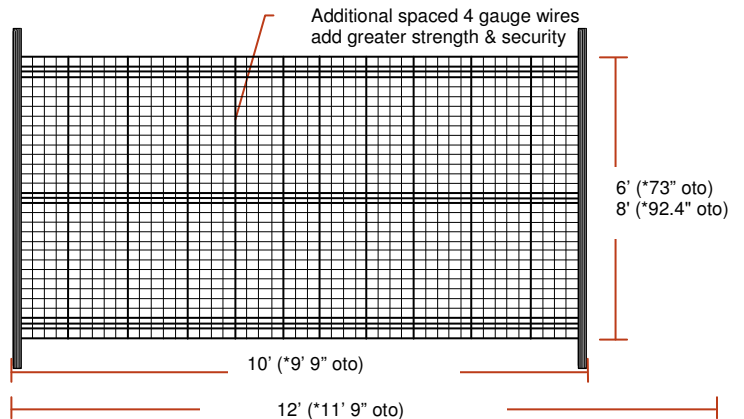
I have seen other products like this one, what is the difference? There is nothing that compares to the V-Squared product on the market; in fact V-Squared is so unique that it is Patent Pending. V-Squared is the ONLY panel on the market that is both nestable and has a frame that runs BOTH horizontally and vertically. This heavy 4 parallel wire 4 gauge horizontal frames reinforce the top and bottom of the panel as well as a 3 wire horizontal framing member in the center of the panel. The nestable RF (roll formed) uprights are permanently welded to each end. Ordinary wire panels have considerable flex and require either a pipe frame bolted to them on site, or the handling efficiency is sacrificed by welding mesh to a tubular frame. V-Squared is stiff enough to handle easily and heavy enough to stand up to the repeated uses required of temporary fencing.

Compare the size of the framing wires in the V-Squared panel to the 8.5 gauge wires of some competing products. There is almost 2 1/2 times more steel in the V-Squared framing wires PLUS the V-Squared perimeter frame has FOUR parallel wires. The 11.5 gauge wires in the body of V-Squared are spaced 2 3/8" apart consistent with your customer's expectation for a site secured by chain link panels vs. the large rectangular openings of ordinary wire mesh panels.



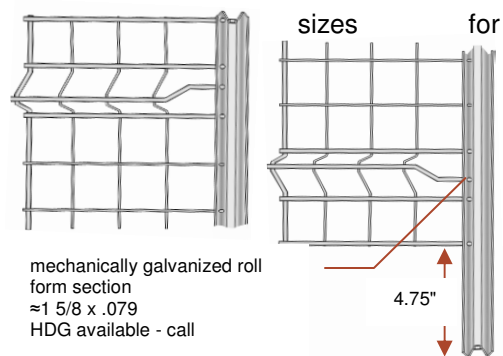
My customers are increasingly concerned about security, can I get V-Square in different gauges?

The framing wires are 4 gauge (5.75mm) and the fill wires are 11.5 gauge (2.75mm) in our standard products. Spacing is 2 3/8" (60mm) (normal industry tolerances apply). Four gauge wires run vertically every 12 1/4" (305mm) or less in the panel creating a security grid greatly enhancing the security and satisfying those concerns. Naturally the technology can be made in other gauges, sizes or mesh spacing and with a large enough volume commitment we could entertain producing it.



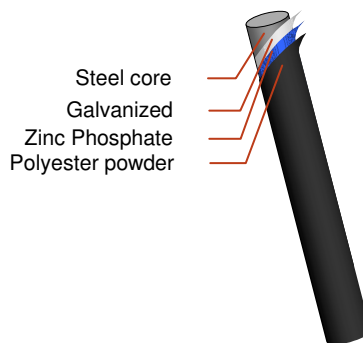
What sizes does it come in and can I get sizes for other applications?

We offer two standard temporary fence panels that measure 9' 9" x 6' 1" (referred to as the 10' x 6') and 11' 9" x 6' 1" (referred to as the 12' x 6'). In addition we offer a 11'9" x 92.4" panel (referred to as the 12' x 8'). The panels come with an extension either just at the bottom or at the top and bottom except for the 8' tall panel which is only available with an extension 1 way.

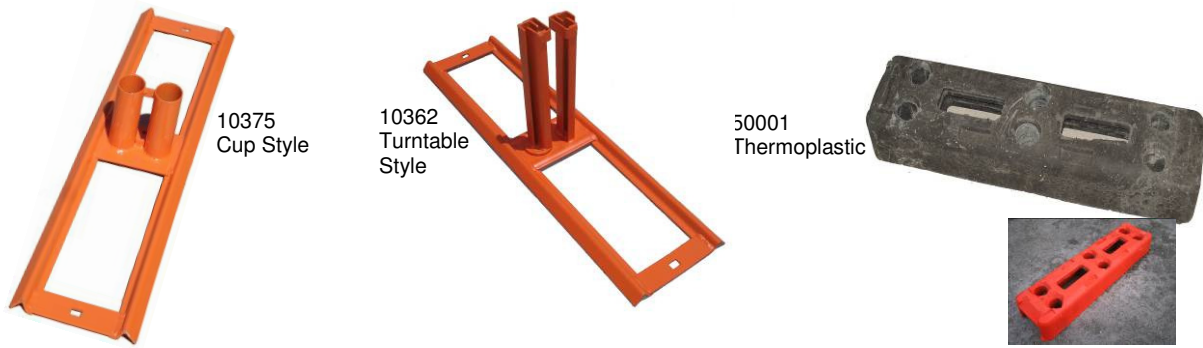


Explain my choices of finishes?

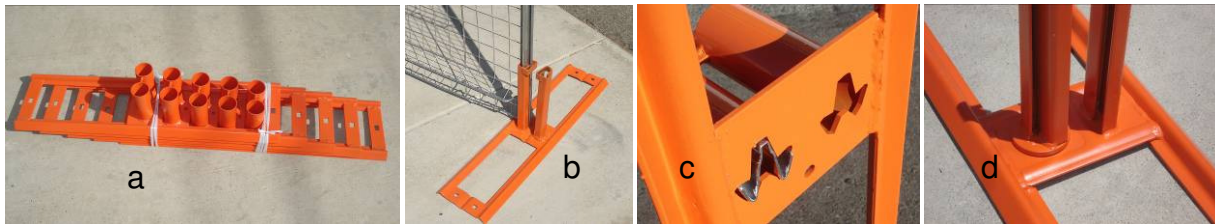
V-Squared panels are available in choice of three finishes; 1. A galvanized before welding (0.6 oz zinc/sq ft. minimum) with all welds treated with a zinc rich primer which is our most popular (pictured). 2. Galvanized after welding (1.2 oz). 3. A polyester powder coated finish. The powder coated finish is a three stage coating over the steel substrate. A galvanized coating is followed by a layer of zinc phosphate and then coated with a 3 mills of exterior grade TGIC polyester powder. Black is the standard color but other colors are available for a small up-charge. Most fittings are also offered in a matching color. The powder coated product is ideal for events or for permanent installations. This is also the coating process we use on our orange steel base stands.



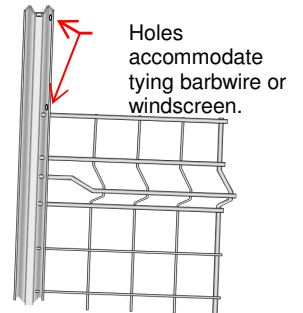
What are the primary advantages / disadvantages of the different base stands you offer? The RF extensions approximate a 1 5/8" o.d. round dimension and will work with most block style stands that take that size leg. Of the 3 stands shown here consider the following:



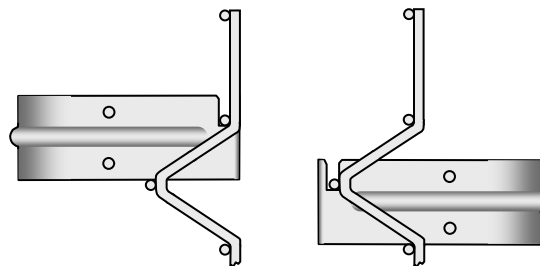
Base Considerations (all bases are 30" in length)	10375 Cup Style	10362 Turntable	50001 Plastic
Will work with any 1 5/8" panel leg	Yes	No	Yes
Stackable	Best (a)	Best (a)	Fair
V-2 RF Flush side will can be placed down for close ground clearance of panel.	No	Yes (b)	No
Stand has a feature that keeps it perpendicular to the V2 panel fence line.	Optional (c)	Always on 1 side (d)	No
Often requires anchoring – sandbags / stakes etc.	Yes	Yes	No
High visibility color coating	Included	Included	Additional
Relative cost	\$	\$\$	\$\$\$



Can I get V-Squared with a barbed top? The RF extension has a hole punched near the corners where a strand of barb wire can be attached. A barb wire arm will also fit over the top of the extension. For a large enough requirement we would consider making them with the vertical wires protruding on top.



What if I need to drive a post? We offer a quick connect adapter that connects the panels together and allows a post up to 1 7/8" to be driven through. Once the post is installed the bracket can't be twisted to remove it from the panel. There is enough tolerance to permit some grade change or for a plus or minus 45° change in direction on either panel from a straight line.



The drive post adapter works from either the front or the back of the panel and provides generous tolerances for grade changes, post placement or directional change.

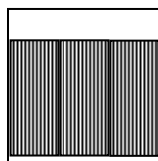
How about other hardware? The standard connection between panels is done with a common 1 5/8" round saddle clamps. For connections that have heavy lateral loads such as hinges and guides for industrial drop rod assemblies we have fittings specifically designed for the RF section.



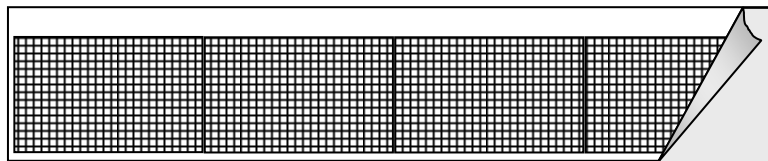
What if I would like to purchase less than a full container load? We have some popular styles in stock for prompt shipment in pallet quantities. A small additional charge applies.

How will they come packaged and can I mix panels in one container?

The loading diagram calls for 4 rows of 10' panels or 3 rows of 12' panels in a closed 40' container. There are 48-50 panels bundled in a unit standing vertically, 3 units per row. Units are placed on a skid so they are accessible with a forklift from the end and the side. Mixing panels on a load could result in fewer panels per load and increase the freight cost per panel. As long as you don't mind paying the extra freight we could mix them. The loading plan of the 10' panel illustrated in the end and side diagrams of a 40' container shown below:



end view



40' closed container - cut away side view

We ship panels in this fashion to simplify unloading and to keep the weight per unit manageable. **IMPORTANT NOTE: the unit is 30" (760mm) wide and can weigh between 2700 and 3900 lbs (typically 3100#). Improper handling or storing of the bundled units could present a TIPPING HAZARD!**



Post system panels shown

What about repairs? Many of the repairs to traditional chain link panels are to repair and reattach pulled and snagged chain link mesh to the frame. Our all welded, easy handling design helps to prevent that kind of damage. If the frame is bent often it can be straightened with enough leverage to bend it back into position. We offer a tool to help with this. Tubular frames, once kinked are much more difficult to repair.



What about screening? The stand system has holes punched in the RF uprights for easy connection of screening ties. They can also be factory ordered pre-screened where we screen between the horizontal tendons rather than over them to preserve the nestability. A flap covers the center tendon and can provide wind relief. By using two smaller screens they are less prone to billowing and creating a sail effect.



I am a long way from California, can you be competitive? Absolutely! Since the nesting efficiencies of V-Squared also benefit transportation costs from the factory we currently have very competitive prices calculated to major metro points across the U.S. and Canada and with our production based offshore we can readily ship to destinations other than North America including Australia and Europe.

Other questions? Go online to "contact us" and ask. We will add them to our list.