STORAGE & INSTALLATION INSTRUCTIONS OF RELIABLE VOID FORMS (RVF)

STORE THEM DRY, USE THEM WET.

Store it dry • Use it wet • Break it & Drop it

Reliable Void Forms, llc.

MPV
MOLDED PULP VOID

America's Reliable Void Form, Reliable Molded Pulp Voids™

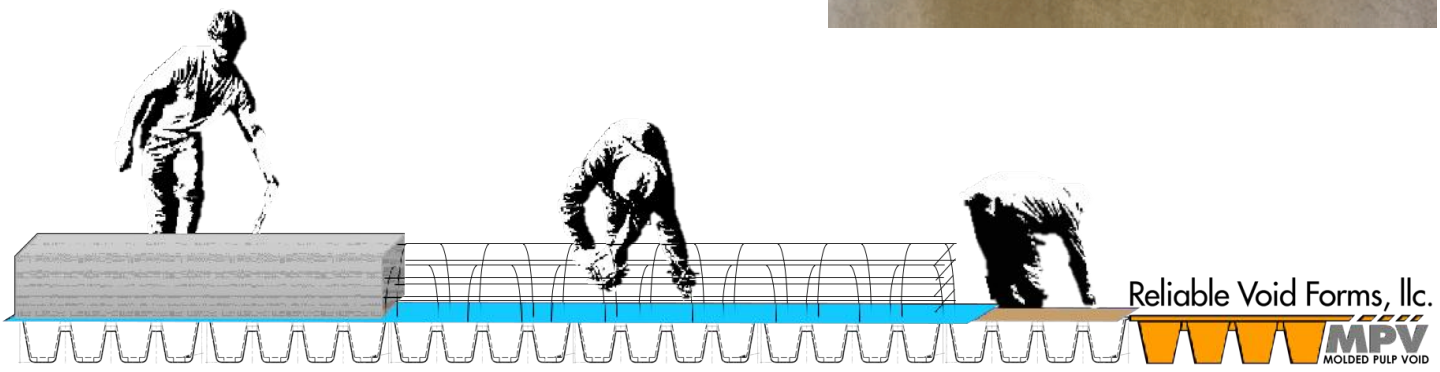
Reliable Void Forms | 13801 Avenue K, Austin, Texas 78728 | (512) 636-1513

Reliable Void Forms (RVF) should be kept on pallets with pallet covers or similar protection from moisture.

STORAGE: Pallets will arrive at job on pallets shrink wrapped and with a pallet cover. Place pallets in original shipping packaging on high point of area so no rain will puddle around the pallet and so air will flow underneath. No need for storage containers if stored onsite in this manner.

IDENTIFICATION: RVF forms are distinguished by a color stripe on the side of the forms.

- 6” RVF light load part# 7671L orange stripe
- 6” RVF heavy load part# 7671H black stripe
- 8” RVF light load part# 7678L white stripe
- 8” RVF heavy load part# 7678H blue stripe
- 10” RVF light load part# 7720L purple stripe
- 10” RVF heavy load part# 7720H yellow stripe
- 12” RVF light load part# 7745L green stripe
- 12” RVF heavy load part# 7745H red stripe



Installation of RVF is simple and fast

The RVF can be installed cones-up or cones-down. We recommend cones-down (as shown here) to provide the best surface area for the hardboard.

1. The RVF are water resistant but NOT WATER PROOF.

The RVF can be placed on moist soil for up to 48 hours before concrete is placed. The soil must be stable enough to support the RVF and concrete. Damp soil is ok, standing water is not.

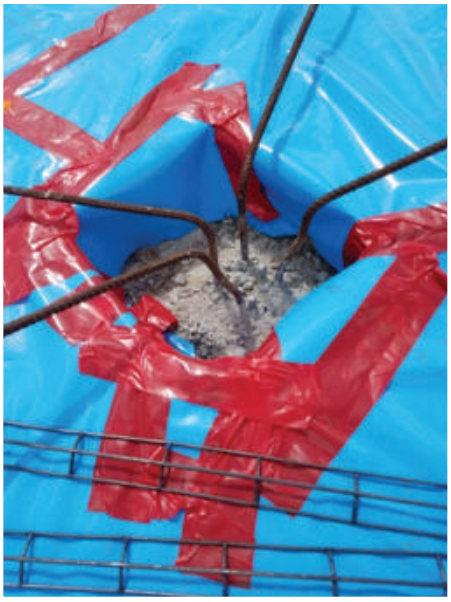
2. Place the RVF end-to-end on firm level ground.

3. Break, tear or cut RVF to fit around pipes and piers. Special pier caps are not required with RVF. Construction foam is also a good way to fill gaps.

4. Cover the RVF with 1/8" hardboard to support the concrete during installation. Cover the hardboard with vapor barrier and tape the seams.

Be sure that the concrete does not get below the hardboard and eliminate the void.

PIERS: Place forms around piers and penetrations. The object is to keep the concrete from going under the form, into the void space. Some contractors use spray foam around the area. Others tape the vapor barrier. You can also use flexible cover board or radius form boards. Always tape to seal the void.



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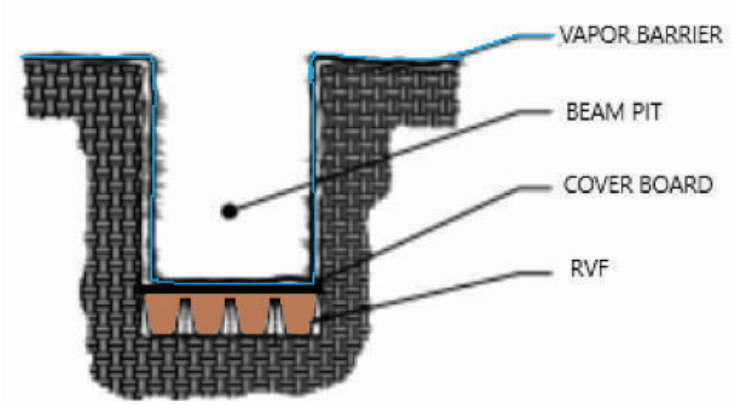
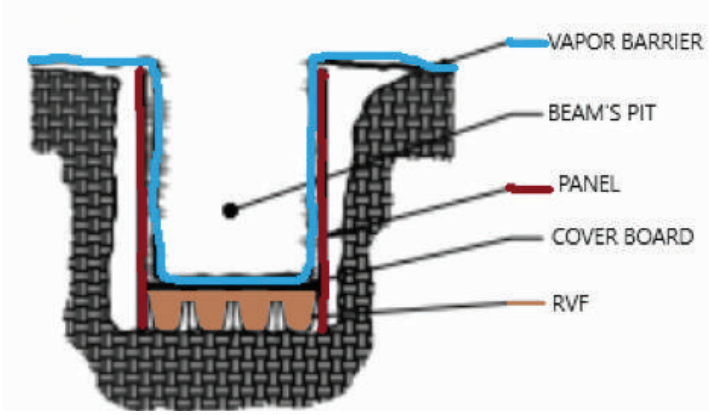
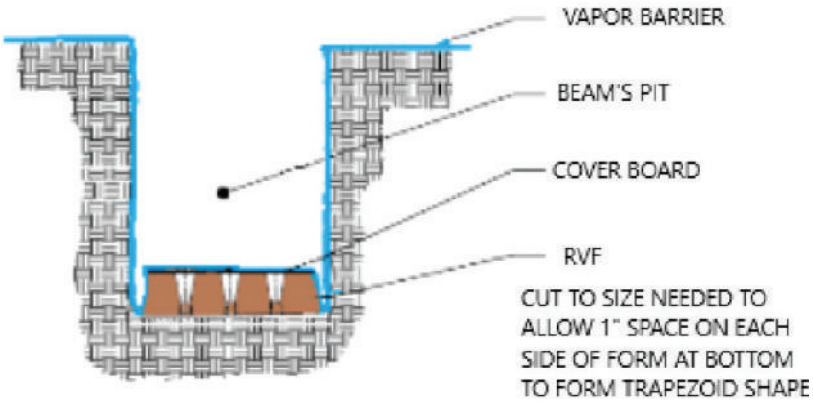
BEAMS: To place RVF in beams, cut or tear to size needed and place in bottom of beam with form cones up or down as shown in the trapezoid drawing. Place 1/8" (.125") hard board over the top of the forms, then cover with vapor barrier as shown in drawings below. (Trapezoid drawing on next page)



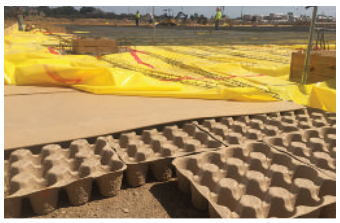
EARTH FORMED SECTION



PANEL FORMED SECTION



TRAPEZOID FORMED BOTTOM OF BEAM



SLABS: When placing forms in the slab area be sure to place forms tight against each other with cones up or down. Use a full size form at the edge of the slab area.

If smaller pieces are needed, use them inside of the final edge form for a more stable walking and placement area. Place cover board over the entire surface and cover with vapor barrier. Tape seams of vapor barrier.

FREQUENTLY ASKED QUESTIONS

1. Do you have preformed pieces to fit around the circumference of the pier?

Preformed shapes are not necessary with Reliable Void Forms (RVF). RVF can be cut to fit without losing the strength or moisture resistance. You can cut a hole in the middle, remove a corner, or cut a shape to fit around a pipe or pier without worry. Construction foam is also a good way to fill small gaps if you prefer not to cut forms.

2. Seems that the subcontractor will need to be very good at a tight fit for the mdf boards and the HDPE retainers to make the system close up well. I would not think that taped joints on the vapor retarder would be the only protection from concrete entering the void.

Just like with carton forms, a good vapor barrier with taped joints is all that is required. Some customers also chose to tape the hardboard panels.

3. The photos show separate beam and slab placements. Does this system work well when the beams and slab are cast monolithic?

Yes, this system works well when placed monolithic. It is not necessary but some customers have poured a thin mud seal over the covered Reliable Void Forms in the beams for protection and to form a soil retainer while they prep the slab and then place the foundation.

4. Why are the forms not larger?

Reliable Void Forms are 24" x 24", optimized for installer handling, shipping, storage and production cost. Since the RVF only weighs 3 lbs. each, installers can pick up several in a stack and drop them one at a time to quickly cover a large area.

5. Does it take longer to install these parts?

No. Experienced users should be able to install RVF quicker than carton forms. Customers like that RVF can be torn or cut to shape still hold their strength. No more complicated puzzle layouts, no cutting and taping carton forms with partitions hoping they won't fail.

6. What about storage at the job site?

Reliable Void Forms are stacked on 4x4 pallets, shrink wrapped for stability in transit and covered with a poly film pallet cover for job site storage protection. No costly storage trailers are in the way at the job and no back-haul charges for freight.

7. Can Reliable Void Forms be stacked to create deeper void space?

RVF can be stacked to achieve a deeper void. Place the first layer as normal. Stack the second layer upside down so the forms are face to face with good stability. Put cover board on the top only, not in between the stacked forms. Then cover with vapor barrier taped securely at all joints. We recommend you start at the perimeter so that you do not have cut forms on the edge. Then work around the piers so that any cut forms are in the middle, away from edges.

8. What if the Reliable Void Forms get wet?

The RVF are water resistant but NOT WATER PROOF. Some tips to determine if moist RVF are ok to use:

A. They should support someone walking on them without deflection.
B. You should not be able to compress the form with your hand
C. If a form weighs more than 4 pounds it should not be used
D. RVF can be used on damp soil, but NOT standing water
E. The ground should support the form without sinking into the soil
F. The forms should not be exposed to moisture for more than 48 hours
G. If you have doubts, replace the forms

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