



Concrete, Inc.

January 1, 2011

Boom Concrete, Inc.
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BOOM CLOVERMIST OWNERS MANUAL

Products

- Benches
- Bird Baths
- Boat Ramps
- Cattle Guard Block
- Cisterns
- Feed Bunks
- Flower Pots
- Gravel
- Parking Curbs
- Patio Blocks
- Picnic Tables
- Plinth Blocks
- Redi Mix
- Retaining Walls
- Rock
- Sand
- Septic Tanks
- Splash Blocks
- Stock Tanks
- Tile
- Well Pits
- Vault Toilets



WELCOME -

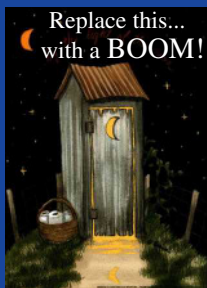
Thank you for the purchase of a BOOM precast concrete vault toilet. The BOOM vault toilet was designed to require very little maintenance and this owners manual will guide you in the start-up and maintenance of your new vault toilet. Expect trouble free, odor free service from you BOOM vault toilet for many years to come. All of our products are designed and built with high quality components in a climate controlled facility located in Western South Dakota. Should you have any questions concerning your BOOM vault toilet please contact us at the numbers listed above.

BUILDING STYLES -

This manual covers the BOOM Clovermist which is a single person vault style toilet that is precast in several sections and assembled into a complete one piece unit. It is off-loaded into your excavated site and is ready to use in just minutes.

CONTENTS -

- Start-up Procedures
- Maintenance
- Replacement Parts





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START-UP PROCEDURES

1. Vault Preparation

Add 125 gallons or about 5 inches of water to the vault. This precharged water will help to delay the forming of the cone of waste that forms under the toilet riser, will deter flies from using your toilet as a breeding ground, and help control odor in the vault.

2. Door Adjustment

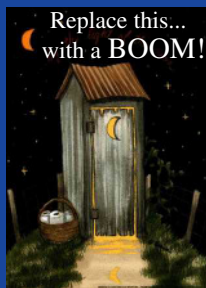
Check to see that the door swings freely and the hinges slowly close the door. ADA guidelines state that the door should take at least 3 seconds to close. Inspect the door sweep to verify that it does not bind and light contact is made with the floor when the door is closed.

3. Keys & Padlocks

Check the doors keys making sure they work properly. Padlocks are not included but should be used to secure the toilet paper dispenser and clean-out cover.

4. Toilet Paper

Remove the bolt or padlock on the toilet paper dispenser and fill with up to three rolls of standard toilet paper making sure they roll freely.





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MAINTENANCE -

1. Sweet Smelling Toilet Technology

Sweet Smelling Technology was invented by the US Forest Service to reduce or eliminate odors in vault toilets. BOOM vault toilets incorporate this technology which creates a positive airflow through the toilet with odor discharged through the stack. To maintain an odor free toilet it is important the door makes a tight seal, the vent in the door is clean with no air flow obstructions, and the roof stack is open and kept clean. Located on the roof is a cleanout/inspection hole with either a PVC or concrete cover. Periodically this cover may be removed to make sure that there is no blockage in the vent and heat chamber.

2. Pumping the Vault

The vault capacity is sufficient for 15,000 uses. As waste builds up a cone of waste will eventually form under the riser. Pumping may be delayed if when this cone builds it is moved or dispersed in the vault. This can be accomplished through the clean out using a long handled hoe. When pumping becomes necessary the clean out cover is removed to access the vault. The pumper should remove as much waste as possible, add more water and finally pump the vault clean. After pumping is completed, 5 inches of water then can be added to the vault and the cleanout cover replaced and locked.

3. Changing the Toilet Paper

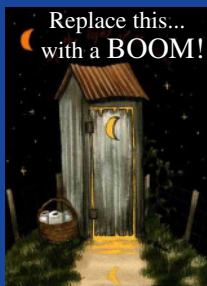
The number one reason for vandalism of restroom facilities is a lack of toilet paper, so be sure to refill when needed. The toilet paper dispenser is equipped for a lock to prevent theft. To place fresh rolls on the dispenser simply remove the lock, add up to three rolls of standard toilet paper and replace the lock.

4. Cleaning the Interior of the Building

The interior walls and floor of your BOOM vault toilet are designed with easy cleaning in mind. Simply use a good disinfectant cleaning solution with a brush, mop, or sponge to clean the walls, outside of the toilet riser, and floor. To clean the inside of the riser use a long-handled brush with a good disinfectant cleaning solution. The interior of the Boom vault toilet may be hosed out upon completion.

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5. Biological and Chemical Additives

It is not necessary to add any chemicals to the vault. The BOOM vault toilet is designed to be odor free without the use of additives.

6. Removing Interior and Exterior Graffiti

In many cases Graffiti can easily be removed using Xylene solvent which is available at your local paint or hardware store. To use simply pour some Xylene on a clean cloth and wipe off the graffiti. For more stubborn graffiti it may be necessary to paint over the vandalized area using the same paint that was initially used on the toilet. BOOM Concrete has touch-up kits available to repair these areas like new.

7. Repairing Interior Paint that has Cracked or Peeled.

If the interior paint cracks or peels, sand-off the old paint and repaint the area with a touch-up kit that is available from BOOM Concrete. Touch-up kits are also available for floors, doors, windows, and trim.

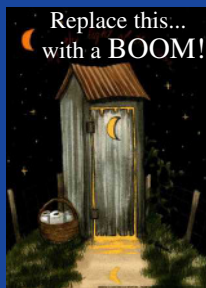
8. Adjustment of the Door Sweep

The door sweep should make light contact with the floor when the door is closed. To adjust loosen all the screws, move the sweep to the desired position and retighten the screws.

9. Adjustment of the Door.

The closing of the door is controlled by spring tension in the hinges. To meet ADA guidelines the door should take 3 seconds or more to close. Adjustment of the hinges can be done in the following manner:

- A. Place door in the closed position.
- B. Insert hex wrench in hex hole. Remove locking pin.
- C. To increase tension rotate hex wrench clockwise(wile viewing from the adjustment end of hinge) and insert locking pin loosely in adjusting hole.
- D. Release hex wrench until locking pin contacts side of adjusting hole.
- E. Remove hex wrench and check the door closing force. If closing force is not satisfactory, repeat the above steps.





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MATERIALS PRICE LIST

2011 BOOM Clovermist Vault Toilet Materials Pricing

Toilet Door Pricing

Price	Description
\$ 169.00	Hollow Metal Frame - 3068 - 4" - Galv
\$ 364.00	Hollow Metal Door - 3068 - 18 Ga - Galv - 24 x 12 Cut Out
\$ 78.00	Spring Hinge - Set of 3
\$ 169.00	Privacy Set
\$ 91.00	Deadlock
\$ 6.50	Wall Stop
\$ 32.50	Automatic Door Bottom
\$ 78.00	Louver - 24 x 12
\$ 19.50	Paint Door
\$ 13.00	Paint Frame
\$ 45.50	Chain Door Stop
\$ 162.50	5100 Surface Door Closer
\$ 52.00	Black Rubber Floor Stop

Toilet Window Pricing

\$ 214.50	Hollow Metal Window Frame 20.5 X 36.5 -4" Galv
\$ 36.17	Window Glazing 20" X 36" - 1/4"Lexon polycarbonate bronze pebble finish

Vault Toilet Pricing

\$ 250.67	Toilet Riser - with/seat
\$ 39.96	Toilet Riser safety bars
\$ 75.00	Plastic Urinal
\$ 416.00	Stainless Steel Urnial
\$ 19.19	3 Roll Toilet Paper Holder
\$ 4.88	Toilet Paper Rod only
\$ 18.20	S S Coat Hook
\$ 46.80	Vault Vent Pipe - 12" Black High Density HDPE pipe /ft

Signage

\$ 67.41	Sign - Please Do not throw
\$ 18.79	Restroom Sign -ADA standard, 6" X 9" Brown Lexan

Handicap Equipment

\$ 25.79	36" Stainless Grab Bar
\$ 29.16	48" Stainless Grab Bar

Solor Vent Stack

\$ 443.00	Aura Solar Attic Fan
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Lighting Equipment

\$ 150.80	12 Watt Solar Module
\$ 53.82	12 V Sealed Battery - 12 amp/hr
\$ 133.12	Morning Star Controller
\$ 35.10	LED Light
\$ 78.00	Shipping, wiring, misc
\$ 450.84	Total Solar Light Kit

Caulk

\$ 5.53	BASF NP1 Sonolastic - White, Brown, Tan
\$ 5.01	Tremco Dymonic FC - Buff, Beige

