

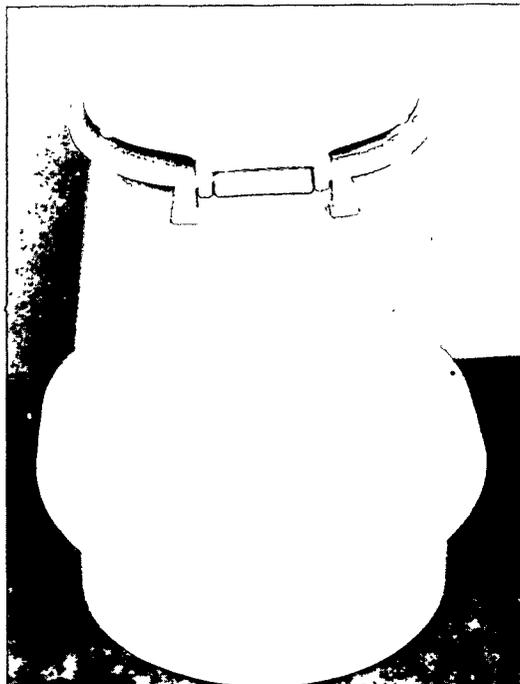


Equip Tips

JULY 1978
2300

U. S. DEPARTMENT OF AGRICULTURE — FOREST SERVICE EQUIPMENT DEVELOPMENT CENTER — SAN DIMAS, CALIFORNIA

CROSS-LINKED POLYETHYLENE VAULT TOILET RISER



The Forest Service presently maintains approximately 40,000 vault toilet risers. Additional units are added to the field inventory almost every month. Presently, most vault toilet risers are made of stainless steel with vinyl-coated stainless steel seats. Cross-linked polyethylene, a relatively new material, is now being used to fabricate vault toilet risers by rotational molding. The basic ingredient of this material is Marlex® CL-100. (Material specifications are available from the vendor who supplies the riser.)

The newly available risers were evaluated initially at the San Dimas Equipment Development Center and then placed on three California Region Forests for user testing. The San Dimas evaluation and feedback from the user tests resulted in minor design modifications. The vendor now produces a refined cross-linked polyethylene riser.

ADVANTAGES

1. There are no cracks or crevices around the riser flange in which waste or cleaning material can collect.
2. A variety of seats can be used. The riser vendor offers a "regular" or a "heavy-duty" high-impact polystyrene seat.
3. The small platform where the seat bolts to the riser is integrally molded with the riser so, again, there are no cracks or crevices in which waste or cleaning material can collect.
4. This riser has been designed so that the back wall extends further back from the seat opening. This helps prevent soiling by the fecal trajectory and reduces the frequency of cleaning.

No. 7823 1301

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5. The interior and exterior of the riser are extremely smooth. The riser can be cleaned with a cloth or sponge and virtually any disinfectant cleaner. The chemical resistance of the cross-linked material is excellent.

6. Urine will not pit this riser.

7. There are no predrilled holes in the flange; the installer has a choice of hole locations. If the riser does not have to be secured, there will be no holes in which waste and cleaning material can collect. (Most risers are not secured.) The flange [1-3/8-in (5.51 cm)] can easily be drilled (with power or hand drill) if the riser needs to be secured to the floor.

8. The colors offered are off-white (to simulate porcelain) and yellow. Virtually any color is available, but additional charges will be made, depending on volume ordered.

9. There was virtually no damage when the riser was hit repeatedly with a sledge hammer and only slight abrasion marks appeared when the riser was thrown from a three-story building onto concrete.

10. Two separate indentations have been molded in, on each side of the riser under the flange. These indentations allow the steel strap, which some Forests use for supporting a large "parabloc" space deodorant, to be placed on either side.

11. This riser is interchangeable with (and approxi-

mately 20 percent less expensive than) currently used stainless steel risers.

DISADVANTAGES

1. The cross-linked polyethylene can be cut with a knife.

2. Dirt will easily show on off-white surfaces.

ORDERING INFORMATION

Vault toilet riser, complete with regular seat and cover assembly weighs 17 lb:

- Part No. OD2030 W (off-white) or OD2030 Y (yellow), \$41.50 ^{1/}.

If heavy-duty seat option is ordered, price is \$46.50. Prices for just seat and cover assembly are \$9.50 (regular) and \$15.50 (heavy-duty). Additional details, and color selection, can be obtained from the vendor:

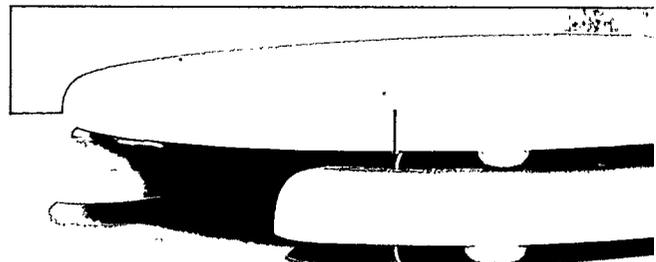
Ontrak Designs, Inc.
21600 Osborne Street
Canoga Park, CA 91304

PHONE: (213) 998-5105

^{1/} All prices are as of May 1978, fob, Canoga Park, Calif.



9/16-in thick (1.43 cm)
Regular Seat and Cover Assembly



7/8-in thick (2.22 cm)
Heavy-duty Seat and Cover Assembly

AN **Equip Tips** UPDATE

Please turn to page 2 of your copy of the July 1978, 2300, *Equip Tips*, "Cross-linked Polyethylene Vault Toilet Riser" (No. 7823 1301), and update it as follows:

ORDERING INFORMATION

Vault toilet riser, complete with a heavy-duty seat and cover assembly weighs 19 lb:

- Part No. OD2030 W (off-white), \$46.50.^{1/}
- For a riser in another color, consult the vendor. Price for just heavy-duty seat and cover assembly is \$15.50.
The vendor is:

Ontrak Designs, Inc.
21600 Osborne Street
Canoga Park, CA 91304

Telephone: (213) 998-5105

The above new Ordering Information reflects the fact that only the heavy-duty seat (in white) is now being offered and the riser in any color (except off-white) has to be special ordered.

^{1/} Prices are as of May 1979, fob, Canoga Park, Calif.