



March 8, 2013

ROTH GLOBAL PLASTICS, INC.  
BRUCE A. BROWN  
PO BOX 245  
SYRACUSE NY 13211

Re: Description: SEWAGE TANKS, POLYETHYLENE  
Manufacturer: ROTH GLOBAL PLASTICS, INC.  
Product Name: SEPTIC, HOLDING OR PUMP  
Model Number(s): RMT-500  
(40" L.L., SEE TABLE 1 FOR GAL/IN., 36" MAX. DEPTH OF BURY, 217  
G.P.D. WHEN USED AS A SEPTIC TANK BASED ON A 3 YR. SERVICE  
INTERVAL FOR RESIDENTIAL WASTEWATER)  
Product File No: 20120406

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of March 2018.

This approval supersedes the approval issued on April 23, 2008 under product file number 20120406.

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- The manhole cover must be secured to the riser using screws which are not standard or phillips head to be considered an effective locking device.
- When this product receives wastewater from dwellings and is used as a septic tank, it will produce an effluent quality with a maximum monthly average value for BOD5 greater than 30 mg/L but less than or equal to 220 mg/L, TSS greater than 30 mg/L but less than or equal to 150 mg/L and F.O.G. less than or equal to 30 mg/L.
- The tank is not recommended to be installed where saturated soil or seasonal high ground water tables are indicated between the bottom of the tank and the ground surface.
- The tank shall not be buried greater than 36 inches below grade.
- BEDDING: This tank must be set on approximately 6 inches of pea gravel or sand in the bottom of the excavation.
- Backfill material soil shall flow freely into corrugations between tank ribs. The backfill must be compacted in 6 inch lifts.
- The inlet and outlet baffles must be located directly below their respective manhole opening.

- This product may be installed using the following inlet/out combinations that provide at least 104 inches between baffles.

- Table 1 Capacity Chart  
 ST-500

Gallons per Inch			
Height (inches)	Gallons in Tank	/	Height (inches)
		/	Gallons in Tank
1	4		268
2	7		281
3	14		294
4	20		307
5	27		319
6	33		332
7	44		345
8	55		358
9	65		370
10	76		383
11	87		395
12	97		406
13	108		418
14	118		429
15	133		440
16	148		452
17	162		463
18	177		474
19	190		483
20	203		492
21	216		501
22	229		510
23	242		516
24	255		523
			529
			535

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter  
 Plumbing Product Reviewer  
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 Division of Industry Services  
 Bureau of Technical Services  
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