



January 4, 2018

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

Re: Description: SEWAGE TANKS, POLYETHYLENE  
Manufacturer: ROTH GLOBAL PLASTICS, INC.  
Product Name: (trans id 3038439) 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: 20170305

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 January 2023.

This approval supersedes the approval issued on March 8, 2013 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.
- These tanks shall be fitted with locking manhole covers in accordance with s. SPS 384.25 (7) (h) Wis. Adm. Code. 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.
- These tanks shall bear warning labels, that are visible after installation, that conform to s. SPS 384.25 (8).
- 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 BOD<sub>5</sub> 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. These tanks shall be installed in suitable soils capable of bearing the weight of the tanks and its contents when full. Soft soils or bedrock shall have  $\geq$  6 inches of compacted sand or pea gravel.

- Backfill material soil shall flow freely into corrugations between tank ribs. The backfill must be compacted at 6 inch intervals. Backfill material shall be free-flowing soil or gravel  $\leq \frac{3}{4}$  inch in diameter in the largest dimension. Tanks shall be filled with water while backfilling
- 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		25	268
2	7		26	281
3	14		27	294
4	20		28	307
5	27		29	319
6	33		30	332
7	44		31	345
8	55		32	358
9	65		33	370
10	76		34	383
11	87		35	395
12	97		36	406
13	108		37	418
14	118		38	429
15	133		39	440
16	148		40	452
17	162		41	463
18	177		42	474
19	190		43	483
20	203		44	492
21	216		45	501
22	229		46	510
23	242		47	516
24	255		48	523
			49	529
			50	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  
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 Division of Industry Services  
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