



April 23, 2008 **RE-ISSUED 6/23/2008**

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

Re: Description: SEWAGE TREATMENT APPARATUS (also see SEWAGE TANKS)
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: 20080223

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, 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 April 2013.

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 of greater than 30 mg/L and less than or equal to 220 mg/L TSS, or greater than 30 mg/L or less than or equal to 150 mg/L TSS, and F.O.G. of less than 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.
- 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		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

This approval supersedes the approval issued on 7/30/2007 under product file number 20070272.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20070272.

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,

Jean M. MacCubbin, CST
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Commerce; Safety & Buildings Div.
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