



September 24, 2014

STORMTECH
ADVANCED DRAINAGE SYSTEMS (ADS)
DAVID J MAILHOT
70 INWOOD RD
ROCKYHILL CT 06067

Re: Description: STORMWATER DETENTION AND/OR INFILTRATION SYSTEM, ALTERNATE PLBG SYS
Manufacturer: STORMTECH
Product Name: STORMTECH UNDERGROUND STORMWATER CHAMBERS/INFILTRATION ROW
Model Number(s): **STORMTECH MC-3500 CHAMBER, MC-3500 END CAP, MC-3500 INFILTRATOR ROW**
injection-molded, polypropylene resin, subsurface structural chambers for
storing/detaining/infiltrating stormwater below grade
[90 IN. L X 75 IN. W X 45 IN. H; STORAGE PER UNIT: 110.0 CU FT/CHAMBER; 168.8
CU FT INSTALLED WITH MIN. 6 IN. STONE ABOVE, BELOW AND SIDES/BETWEEN
CHAMBERS; STORAGE FOR END CAP: 15.6 CU FT/CHAMBER; 41.6 CU FT INSTALLED
WITH MIN. 6 IN. STONE ABOVE, BELOW AND SIDES]
Product File No: 20140118

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 alternate approval to s. SPS 382.365 based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of September 2019.**

This approval supersedes the approval issued on 7/22/2009 under product file number 20090162.

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

- This product is approved for the following uses:
 - Stormwater and clearwater subsurface detention system,
 - Stormwater and clearwater subsurface infiltration system, or
 - Stormwater and clearwater subsurface detention/infiltration system
- When this product is installed as a subsurface detention/infiltration system or an infiltration system, the design and installation must be in accordance with the manufacturer's printed Design Manual (S070104HP-5) and Installation Instructions (S081203R-6), ch. SPS 382 and its Plan approval under s. SPS 382.20. When there is a conflict between manufacturer's installation instructions and plan approval or product approval stipulations, the plan approval or product approval stipulations will take precedence.
- When this product is installed as a subsurface detention system, the installation must be in accordance with the manufacturer's printed Design Manual (S070104HP-5), installation instructions (S081203R-6), liner instructions (S140404-0) and Tech Sheet #2 (rev. 9/9/04), ch. SPS 382, plan approval under s. SPS 382.20 and product approval stipulations. When there is a conflict between manufacturer's installation instructions and plan approval or product approval stipulations, the plan approval or product approval stipulations will take precedence.
- The installation of waterproof membranes must be either PVC or linear low density polyethylene (LLDPE) material having a minimum 30 mil thickness with all seams sealed. PVC membrane seams must be sealed using solvent cement. LLDPE membrane seams must be sealed using thermal welding.

STORMTECH

Page 2

September 24, 2014

Product File No: 20140118

- Inspection and maintenance of this product must be performed at intervals specified by the manufacturer (S070104HP-5) or in accordance plan approval or s. SPS 382.21, whichever is more restrictive.
- The review undertaken by department staff does not include review and/or approval of this submittal as meeting DNR specifications for ch. NR 151.
- This product may be installed without a waterproof membrane under the following conditions:
 1. The installation is not for a subsurface detention system;
 2. The soils on which that detention system is placed have a maximum soil application rate of 0.2 gallons/square foot/day based upon morphological soil evaluation as listed in SPS Table 383.44-2 under the column for BOD5 and TSS > 30mg/L; and
 3. A geotextile fabric that meets the chamber manufacturer's specifications is in place on the bottom of the product is required.
- This product must be permanently labeled identifying the manufacturer and model number (StormTech MC-3500).
- When this product is installed as a subsurface detention/infiltration system or an infiltration system, the design and installation must be in accordance with the manufacturer's printed STORMTECH ISOLATOR ROW APPLICATION, AUGUST 2008, ch. SPS 382 and its Plan approval under s. SPS 382.20. When there is a conflict between manufacturer's installation instructions and plan approval or product approval stipulations, the plan approval or product approval stipulations will take precedence.
- Additional information is included as attachment(s) to this letter; see attachment A and B.

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,

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