



Page 1 of 2

2016-12-22

ShreddedTire Inc
6742 NW 17th Ave
Fort Lauderdale, FL, 33309
US

Reference: Project : 4787705846
Subject: Determine Flow Rate of Water Passing Thru Two Echo Flow Products - Letter Report Only

Dear Adnan,

Per your request, project 4787705846 was opened, in accordance with your requested test protocol for the evaluation of Echo Flow blocks. A copy of the test data has been included at the end of this report.

UL LLC did not select the samples, determine whether the samples were representative of production samples, witness the production of the test samples, nor were we provided with information relative to the formulation or identification of component materials used in the test samples. The test results apply only to the actual samples tested.

The issuance of this report in no way implies Listing, Classification or Recognition by UL LLC and does not authorize the use of UL Listing, Classification or Recognition Marks or any other reference to UL LLC on the product or system. UL LLC authorizes the above named company to reproduce this Report provided it is reproduced in its entirety. The name, Brand or Marks of UL LLC cannot be used in any packaging, advertising, promotion or marketing relating to the data in this Report, without UL's prior written permission.

UL, its employees and agents shall not be responsible to anyone for the use or nonuse of the information contained in this Report, and shall not incur any obligation or liability for damages, including consequential damages, arising out of or in connection with the use of, or inability to use, the information contained in this Report.

This letter will serve to report that all tests on the subject product have been completed.

Thank you for the opportunity to provide your company with these services. Please do not hesitate to contact us if you should have any questions or comments.

Very truly yours,
Jacob Adili
Engineer Project Associate
Water and Plumbing
Tel: 847-664-2709
E-mail: Jacob.Adili@ul.com

Reviewed by,
Jason Carlson
Staff Chemist
Water and Plumbing
Tel: 847-664-3179
E-mail: Jason.Carlson@ul.com

Flow Rate Testing

Test Setup:

Samples had a containing ring that was 12” diameter and 2” high attached to the upper surface with plumbers putty. The containing ring was marked at 0.4” and 0.6” from the surface of the sample. This setup was suspended above a tray to contain and measure the flowed water.

Test Method:

The water was poured just slowly enough to prevent splashing and spilling of water, but in all instances the sample drained too quickly to maintain any head on the sample, so the ring marks were not used. During each pouring the timer was started at the moment the water first contacted the sample, and continued until the dripping of water from the sample had reasonably slowed. After each pouring the water was collected for later measurement and the empty tray was replaced.

Water was poured through the sample in two steps. First, the samples were subjected to a prewetting step where 8.0 lb of water were poured through the sample. Second, the sample was subjected to a testing step where 40 lb of water was poured through the sample.

Data:

Sample	Step	Time Elapsed	Water Poured	Water Collected	Difference
4” Thick Sample	Prewetting	20 Seconds	8 lb	7.4 lb	0.6 lb
	Testing	35 Seconds	40 lb	38.7 lb	1.3 lb
12” Thick Sample	Prewetting	55 Seconds	8 lb	6.6 lb	1.4 lb
	Testing	65 Seconds	40 lb	38.4 lb	1.6 lb

