

Certificate of Test

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This is a revision to Certificate of Test 28450, first issued by VINCI Technology Centre UK on 09 December 2019. At request of the client, sample 154072C was tested beyond the requirements of EN 1928. The results and failure pressure are included in the results section below. A further revision to CoT 28450_Rev1, issued on 09 December 2019 has been made at the request of the client to include the batch number of the product.

Title: HydroPrufe 8000, Batch HY8001

Resistance to Increasing Water Pressures

Certificate of Test Number: 28450_Rev1

Customer's Name & Address:

FIS Construction Products
Unit 4, Mayflower Close
Chandlers Ford Industrial Estate
Eastleigh
Hampshire
SO53 4AR

Our Ref: N950/TR0067

VTC Job No: TR0123-3UZ9 – 1.340.12

Your Ref: PO 18473

Date: 17 December 2019

Date samples received: 02 October 2019

Samples received from: FIS Construction Products

Sample No: 154072 A-C

If unsigned by the tester this is because the tester is site based and therefore unable to sign this Certificate of Test. However, all work has been checked, validated and approved prior to inclusion.

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Tested by:
N Pantling (position: Assistant Engineer)

Authorised by:
S R Moxon (position: Operations Director)

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TECHNOLOGY CENTRE 

1. INTRODUCTION

This certificate of test describes the incremental water penetration testing carried out upon 1N9 Membrane at the request of FIS Construction Products, between the dates of 03 October to 14 October 2019 at VINCI Technology Centre UK Ltd (VTC), Leighton Buzzard.

The test was carried out in general accordance with BS EN 1928.

2. SAMPLE DESCRIPTION

VINCI Technology Centre UK Ltd. received one membrane on 02 October 2019, from which three samples for test were created. The received materials were given unique VTC sample number for identification purposes only. This information as well as the Client's product description can be found in the Table 1 below.

Table 1

VTC Reference	Client Description
154072A	HydroPrufe 8000, Batch Number HY8001
154072B	
154072C	

3. TEST PROCEDURE

3.1 Sample Preparation

For the membranes two samples were cut at 150 mm diameter then cut in half leaving an overlap on each membrane, these were then joined together with the self-adhesive backing. This simulation of the lap joint was carried out for each test. The sample was laid onto the test cylinder then weighed down and fixed using a perforated plate and fixing bolts. A silicone bead was then applied around the perimeter of the test plates to seal the membrane in place and create a water proof seal.

Upon completion of preparation, the specimens were conditioned at $23\pm 2^{\circ}\text{C}$ and ambient Laboratory relative humidity for a period of 24 hours prior to test.

3.2 Method of Test

After conditioning a water pressure of 0.6bar was applied to the specimens for 24 hours to allow the specimens to be in contact in water to allow for the membrane to expand within the constrained test apparatus.

For the first two specimens the water pressure was increased to 0.6 bar for 24 hours. The third test specimen had the pressure increased until failure. Observations for any water ingress through the membrane were undertaken every 24 hours prior to water pressure increase.

4. TEST RESULTS

Test results are given in Table 2 below.

Table 2
VTC Ref: 153815

HYDROPRUFE 8000

Date / Time	VTC Ref	Pressure (bar)	Observations	Date / Time of Observations
03-Oct-19 / 09.00	154072A	0.0	Test Started	
04-Oct-19 / 09.00		0.6	No Observations	05-Oct-19 / 10.00
06-Oct-19 / 10:00	154072B	0.0	Test Started	
07-Oct-19 / 10:00		0.6	No Observations	08-Oct-19 / 09:00
09-Oct-19 / 09.00	154072C	0.0	Test Started	
10-Oct-19 / 10.00		0.6	No Observations	11-Oct-19 / 10.00
11-Oct-19 / 10.30		1.0	No Observations	12-Oct-19 / 10.00

END OF CERTIFICATE