REPORT ON BLOCKWORK
AIR PERMEABILITY TESTING
FOR
AIRSTOP PRO-PARGE

CLIENT:
PRISTINE CEILINGS AND COATINGS

Rev	Date	For and on behalf of HRS Services Ltd
00	07.06.18	C Cotterill

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1. INTRODUCTION

This report details the results of the block work air porosity test carried out by HRS Services Ltd for The painted blockwork as supplied by Pristine

The test was carried out on Wednesday 6th June 2018.

The test was carried in accordance with BS EN 12114:2000 Thermal performance of buildings – Air permeability of building components and building elements – Laboratory test method. The test was conducted inside the HRS test facility using calibrated flow equipment.

The test was commissioned by Mr Robert Pierce of Pristine Ceilings and Coatings.

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2. TEST RESULTS

One block type was subject to test as follows:-

- 100mm Hollow core Block coated with Airstop Pro-Parge

The following air permeability was determined at 50Pa:

>0.36$m^3/h/m^2$

Where the air permeability is less than 0.36$m^3/h/m^2$, no exact value can be obtained due to the resolution of the instrument. This represents very low levels of air leakage and an Air Permeability no greater than 0.36$m^3/h/m^2$.

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3. TEST METHOD

THE BLOCKWORK TEST WAS CARRIED OUT IN LINE WITH THE FOLLOWING STANDARD:

BS EN 12114:2000 Thermal performance of buildings – Air permeability of building components and building elements – Laboratory test method.

A sample panel was constructed, which was 2 blocks wide by 4 blocks high. All joints were sealed with silicon mastic.

The sample was pressurised using the HRS Services Ltd 'LVF FAN' system and test chamber. The 'LVF FAN' system comprises a low flow centrifugal fan, designed to supply between 0.1 and 8 l/second. The 'LVF FAN' system was tested and calibrated at Sheffield Hallam University

The test chamber was sealed against the sample wall panel using acrylic mastic.

Pressure differences across the 'LVF FAN' venturi and the test sample were measured using Tempcon Instrumentation Ltd 2020P7 micromanometers at the start, during and end of the test.

Air temperatures were measured using a Therma 1 digital thermometer with K Special penetration probes. Measurements were taken at the start and end of the test.

Barometric pressure was established using an absolute pressure meter.

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4. PHOTOS

Photo 1

Photo 2

Photo 3

Photo 4

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