

Supplement to Certificate of Test number 7950 issued by Taylor Woodrow Technology on 20 January 2006, Certificate of Test number 9699 issued by Taylor Woodrow Technology on 5 February 2008 and Certificate of Test number 12072 issued by Taylor Woodrow Technology on 9 July 2009.

Since the original Certificates were issued, the product known as 'Jotashield Tex Ultra' has had no formulation change.

Since the original Certificate was issued, Taylor Woodrow Technology has rebranded as VINCI Construction UK Ltd. Technology Centre.

**Title: Determination of Liquid Water Transmission Rate of Jotashield Tex Ultra**

**Certificate of Test Number: 13536**

**Client's Name & Address:**

Jotun UAE LLC  
Al Quoz Industrial Area  
PO Box 3671  
Dubai  
United Arab Emirates

Our Ref: N950/V018

TC Job No: 3NF3 – 1.064.27

Your Ref: PO 54798

Date: 06 October 2010

Date sample(s) received: 24 October 2005

Sample(s) received from: Jotun UAE Ltd LLC

Sample No: 143005

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This Certificate and the results shown are based upon the information drawings samples and tests referred to herein

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Tested by:   
D J Thompson (position: Engineer)

Authorised by:   
S R Moxon (position: Manager)

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**TECHNOLOGY**   
**CENTRE**

## 1. INTRODUCTION

This certificate of test describes the liquid water transmission testing carried out at the request of Jotun UAE Ltd LLC on 19 – 20 January 2006 at Technology Centre (TC), Leighton Buzzard.

The test was carried out in accordance with BS EN 1062-3.

## 2. SAMPLE DESCRIPTION

Technology Centre received one litre of Jotashield Siloxane Acrylic Primer (TC Ref 143004) and one litre of Jotashield Tex Ultra (TC Ref 143005). The coatings were given unique TC sample numbers for reference purposes only.

## 3. TEST PROCEDURE

### 3.1 Coating Application

The coating system was brush applied to four mortar slabs approximately 150 x 150 x 20mm using a weighing procedure to achieve the coverage rate required. One coat of Jotashield Siloxane Acrylic Primer was applied as a flood coat and allowed to dry for a minimum period of 8 hours. Two coat of Jotashield Tex Ultra was then applied at a rate of 465g/m<sup>2</sup>. Each coat was applied at 90° to the previous.

The coated sample was allowed to cure for 2-3 days in the laboratory and then conditioned at 23±2°C and 60±5% relative humidity for a minimum period of three weeks prior to testing.

### 3.2 Test Preparation

Three specimens were chosen, and before conditioning the reverse side and edges of the test specimens were sealed to prevent water ingress. The prepared specimens were then conditioned by undergoing 3 cycles of wetting in water at 23±2°C for 24 hours, followed by oven drying at 50±2°C for 24 hours prior to testing.

### 3.3 Determination of Liquid Water Transmission Rate

The specimens were then tested in accordance with BS EN 1062-3:2006, paints and varnishes – coating materials and coating systems for exterior masonry and concrete – Part 3: Determination and classification of liquid-water transmission rate.

## 4. TEST RESULTS

### LIQUID WATER TRANSMISSION RATE

Table 1

Client Identification	TC Reference	Liquid Water Transmission Rate (w) (kg/m <sup>2</sup> h <sup>0.5</sup> )	Classification
Jotashield Tex Ultra	143005/14	0.01	Low
Jotashield Tex Ultra	143005/15	0.01	Low
Jotashield Tex Ultra	143005/16	0.01	Low

DFT of coating: 323µm  
Dates tested: 19–20 January 2006

Notes

- (i) The reduction in water absorption for Jotashield Tex Ultra coating was calculated to be 99.9 %.
  
- (ii) Classification in accordance with EN 1062-1

**Table 2**

<b>Classification</b>	<b>Liquid-Water Transmission Rate (w) (kg/m<sup>2</sup>h<sup>0.5</sup>)</b>
I (high)	> 0.5
II (medium)	0.1 – 0.5
III (low)	< 0.1

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END OF CERTIFICATE