

# Certificate of Test

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Title: Rooftex Membrane

Determination of the Tensile  
Strength, Elongation & Recovery  
from 100% Elongation

Certificate of Test Number: 24078

## Customer's Name & Address:

Conren Ltd  
Astwith Close, Holmewood Industrial Estate  
Holmewood  
Derbyshire  
S42 5UR

Our Ref: N950/TR0042

VTC Job No: 3TL1 - 1.370.02

Your Ref: PO 42392, dated 16 October 2015

Date: 11 November 2015

Date samples received: 02 November 2015

Samples received from: Conren Ltd

Sample Nos: 150198 - 150207

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:   
D J Thompson (position: Engineer)

Authorised by:   
S R Moxon (position: Head of Operations)

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#### 4. TEST RESULTS AND SPECIFICATION REQUIREMENTS

##### 4.1 Results for Tensile Strength & Elongation Testing

The results of the tensile strength and elongation testing are shown in Table 2 below.

**TENSILE STRESS and ELONGATION of ROOFTEX MEMBRANE**

Table 2

VTC Ref	Original Length (mm)	Extension at Failure (mm)	Load at Failure (N)	Test Area (mm <sup>2</sup> )	Tensile Strength (N/mm <sup>2</sup> )	Elongation at Failure (%)
150198	25.0	190.5	18.0	8.4	2.14	762
150199	25.0	184.9	16.0	8.4	1.90	740
150200	25.0	121.9	16.0	8.4	1.90	488
150201	25.0	224.7	20.0	8.4	2.38	899
150202	25.0	222.9	18.0	8.4	2.14	892
<b>Average</b>					<b>2.1</b>	<b>756</b>

Date tested: 06 November 2015 DFT: 1.4mm

##### 4.2 Results for the Recovery of 100% Elongation Testing

The test results for the recovery of elongation testing are given in Table 3 below.

**RECOVERY FROM 100% ELONGATION of ROOFTEX MEMBRANE**

Table 3

VTC Ref	At 100% Elongation			After Recovery			Percent Recovery %
	Original Length (mm)	Length Aft. Elongation (mm)	Elongation %	Original Length (mm)	Length Aft. Recovery (mm)	Elongation After Rec. %	
150203	25.0	50.0	100.0	25.0	26.0	4.0	96.0
150204	25.0	50.0	100.0	25.0	26.2	4.8	95.2
150205	25.0	50.0	100.0	25.0	26.1	4.4	95.6
150206	25.0	50.0	100.0	25.0	26.6	6.4	93.6
150207	25.0	50.0	100.0	25.0	26.6	6.4	93.6
<b>Ave</b>						<b>5.2</b>	<b>94.8</b>

Date tested: 06 November 2015 DFT: 1.4mm

END OF CERTIFICATE