

4WT NO: 3423,3442
JOB NO: 2693
CLIENT REF: MartyMcAleenan 14/01/2016
REPORT NO: 1897

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REPORT
ON THE TESTING
OF
WT-1 SEALANT & CONSTRUCTION ADHESIVE
TO ETAG 022, ANNEX B

Supplied by:

C-Tec N.I Ltd
Unit 6
Ashtree Enterprise Park
Newry
County Down
BT34 1BY

Report Prepared by:

Lesley J Komatsu

Report on the testing of WT-1 Sealant & Construction Adhesive

4ward Testing Ltd were contacted by C-Tec N.I. Ltd of Unit 6, Ashtree Enterprise Park, Newry, County Down, Northern Ireland, BT34 1BY and asked to carry out Tensile & Shear loading tests on WT-1 Sealant & Construction Adhesive to ETAG 022, Annex B

Identification

Material:	Sealant & Construction Adhesive
Customer Identification:	WT-1
Batch No:	Grey Lot 4784825 & 562034
Customer Reference:	e mail Marty McAleenan 14/01/2016
4ward Sample No:	3423,3442
Job No:	2693
Date Received:	14/01/2016

Test Data

The Sealant was tested as received from the customer with samples being prepared by the Laboratory.

Testing was carried out to ETAG 022, Annex B – Tensile and Shear Loading

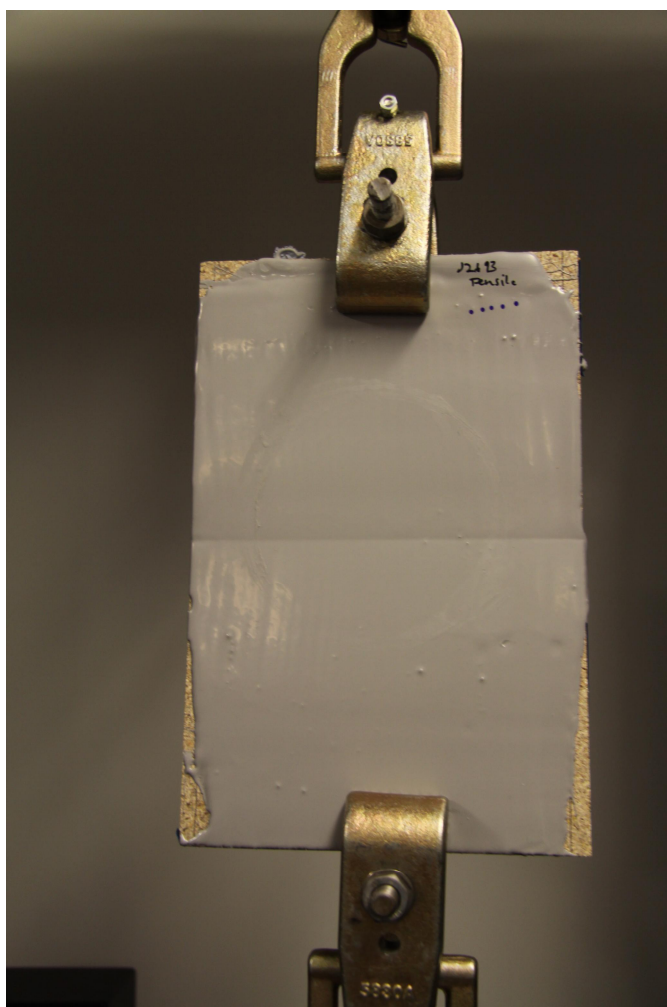
Tensile test

Sample preparation and testing carried out according to Section 5.1 of Annex B

No of samples:	5
Substrate:	Hard chipboard
Size of substrate:	2 sheets 165 x 125mm
Area of sample:	150 x 250mm
Application thickness:	nominal 2mm
Cure time:	7days
Cure conditions:	23±2°C, 50±5%RH
Test machine:	Instron 1114
Load application speed:	0.5mm/min
Spacers:	2mm thick
Rest time:	5 mins
Negative pressure:	20kPa
Time at -20kPa:	30 secs

During the time the sample is held at negative pressure in a vacuum the sample is observed for any leaks using a leak-indication liquid.

Photo to show Tensile test set up



Shear Loading

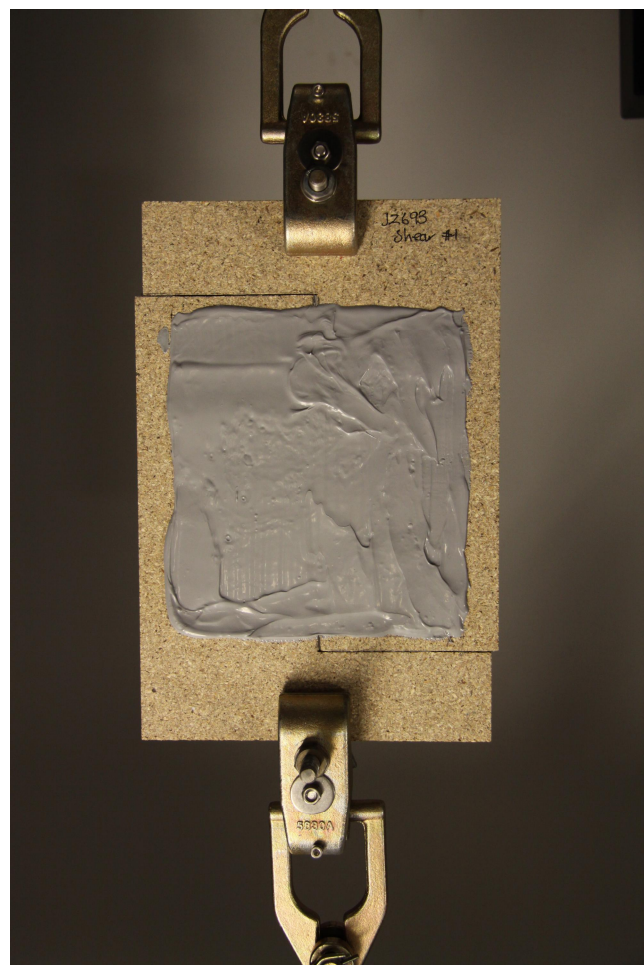
Sample preparation and testing carried out according to Section 5.2 of Annex B

No of samples:	5
Substrate:	Hard chipboard
Size of substrate:	2 right angled sheets, 250 x 200mm
Area of sample:	160 x 180mm
Application thickness:	Nominal 2mm
Cure time:	7days
Cure conditions:	23±2°C, 50±5%RH
Test machine:	Instron 1114
Load application speed:	0.5mm/min
Spacers:	2mm thick
Rest time:	5 mins
Negative pressure:	20kPa
Time at -20kPa:	30 secs

During the time the sample is held at negative pressure in a vacuum the sample is observed for any leaks using a leak-indication liquid

Date of testing: 28/01 – 9/02/2016

Photo to show Shear test set-up



Test Results

Tensile test

Sample	Ability to remain impermeable	Pass/Fail
1	No Leaks	Pass
2	No Leaks	Pass
3	No Leaks	Pass
4	No Leaks	Pass
5	No Leaks	Pass

Shear Loading

Sample	Ability to remain impermeable	Pass/Fail
1	No Leaks	Pass
2	No Leaks	Pass
3	No Leaks	Pass
4	No Leaks	Pass
5	No Leaks	Pass

These results relate only to the material tested

Work carried out and recorded by the following personnel:



Paula Fountain BSc MSc
Laboratory Technician



Richard Wright
Laboratory Technician

Work approved by the following personnel:



L J Komatsu ACQI
Technical Manager

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