

Test Report n° : RPLMA 015109/01/07

CLIENT : NEXUS SRL

ADDRESS : Via Recanatense
60022 Castelfidardo (AN)

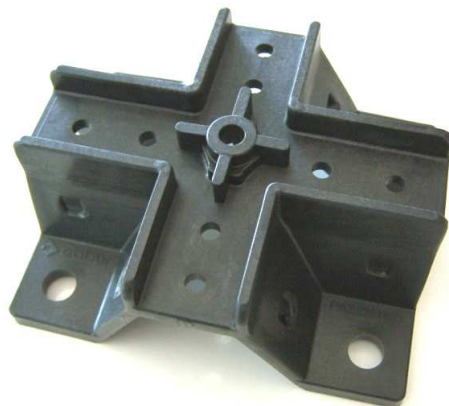
1. EUT

	EUT Incoming date	EUT Identification Code	Description
1	2009-03-27	008009/01/01	External Pocan B 3235 Black bracket for photovoltaic modules ref. A
2	2009-03-27	008009/01/02	External Pocan B 3235 Black bracket for photovoltaic modules ref. A
3	2009-03-27	008009/01/03	External Pocan B 3235 Black bracket for photovoltaic modules ref. A
4	2009-03-27	008009/01/04	External Pocan B 3235 Black bracket for photovoltaic modules ref. A
5	2009-03-27	008009/01/05	External Pocan B 3235 Black bracket for photovoltaic modules ref. A
6	2009-03-27	008009/01/06	External Pocan B 3235 Black bracket for photovoltaic modules ref. A
7	2009-03-27	008009/01/07	External Pocan B 3235 Black bracket for photovoltaic modules ref. A
8	2009-03-27	008009/01/08	External Pocan B 3235 Black bracket for photovoltaic modules ref. A

	EUT Incoming date	EUT Identification Code	Description
1	2009-03-27	008009/02/01	External Durethan BKV 30 H1.0 black (addiction of 30% fibre glass) bracket for fixing of photovoltaic modules ref. B
2	2009-03-27	008009/02/02	External Durethan BKV 30 H1.0 black (addiction of 30% fibre glass) bracket for fixing of photovoltaic modules ref. B
3	2009-03-27	008009/02/03	External Durethan BKV 30 H1.0 black (addiction of 30% fibre glass) bracket for fixing of photovoltaic modules ref. B
4	2009-03-27	008009/02/04	External Durethan BKV 30 H1.0 black (addiction of 30% fibre glass) bracket for fixing of photovoltaic modules ref. B
5	2009-03-27	008009/02/05	External Durethan BKV 30 H1.0 black (addiction of 30% fibre glass) bracket for fixing of photovoltaic modules ref. B
6	2009-03-27	008009/02/06	External Durethan BKV 30 H1.0 black (addiction of 30% fibre glass) bracket for fixing of photovoltaic modules ref. B
7	2009-03-27	008009/02/07	External Durethan BKV 30 H1.0 black (addiction of 30% fibre glass) bracket for fixing of photovoltaic modules ref. B
8	2009-03-27	008009/02/08	External Durethan BKV 30 H1.0 black (addiction of 30% fibre glass) bracket for fixing of photovoltaic modules ref. B

EUT declared by the client.

Sampling has not been performed by the laboratory.



Test Report n° : **RPLMA 015109/01/07**

2. TEST

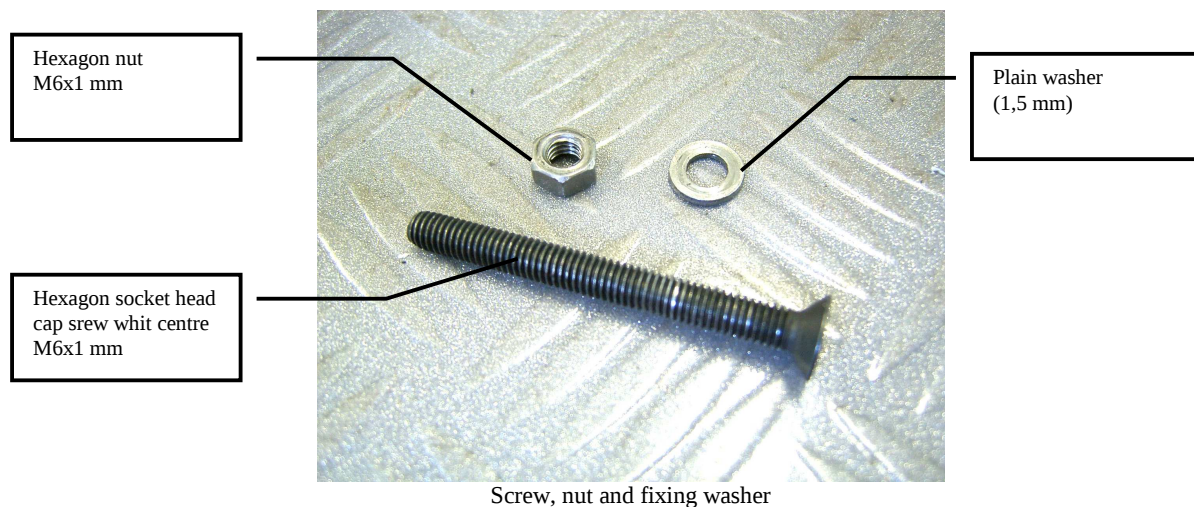
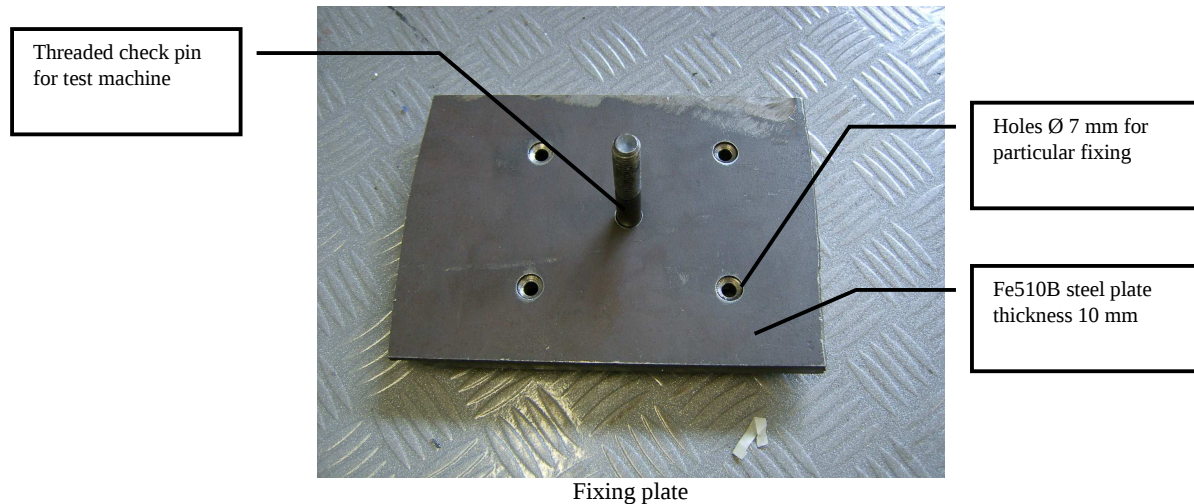
Description	Standard reference	Internal procedure
Tensile test ⁽¹⁾	UNI EN 10002-1/04 ⁽¹⁾	MF-PP001
UV-TEST (720 h.)	ASTM G 53/88 UNI 9922/92	MF-PP009

(1) – Standard has been solely respected for test speeds and measurement of ultimate strenght Fm.

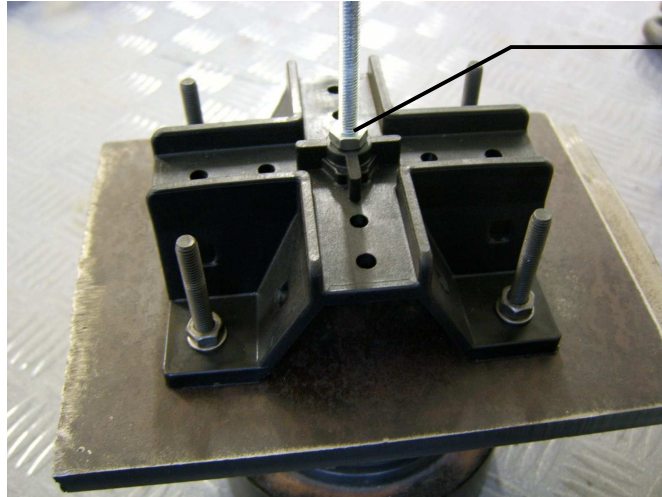
Tests have been carried out according to following scheme:

- 1) Traction test without ageing test upon two samples for each material
- 2) Ageing UV test for a duration of 180h – 360h – 540h – 720h
- 3) Traction test of two samples for each material after UV test lasted 180h – 360h – 540h – 720h

Sample has been fixed to a Fe510B steel plate thickness 10 mm, in order to carry out the traction test, as mentioned below:

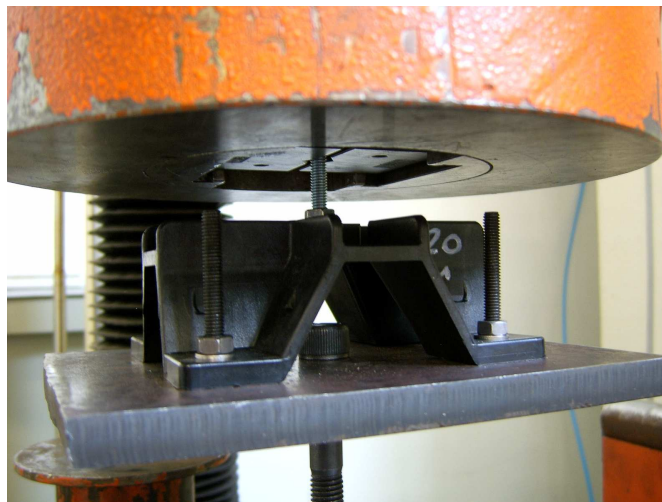


Test Report n° : **RPLMA 015109/01/07**



Fixing screw and nut
included into the
package.

Bracket fixed to the support for traction test



Upper grasping set-up for traction test



Lower grasping set-up for traction test



Test Report n° : RPLMA 015109/01/07

3. MEASUREMENT EQUIPMENT

AP101 - Dynamometer PMA/20 (calibration by SIT) equipped with:

- maximal power user 1.000 daN
- test speed 10 mm/min
- accuracy $\pm 0,5\%$.

AP404 - UV TEST appliance

- test cycle 4 h UV / 4 h condensate.

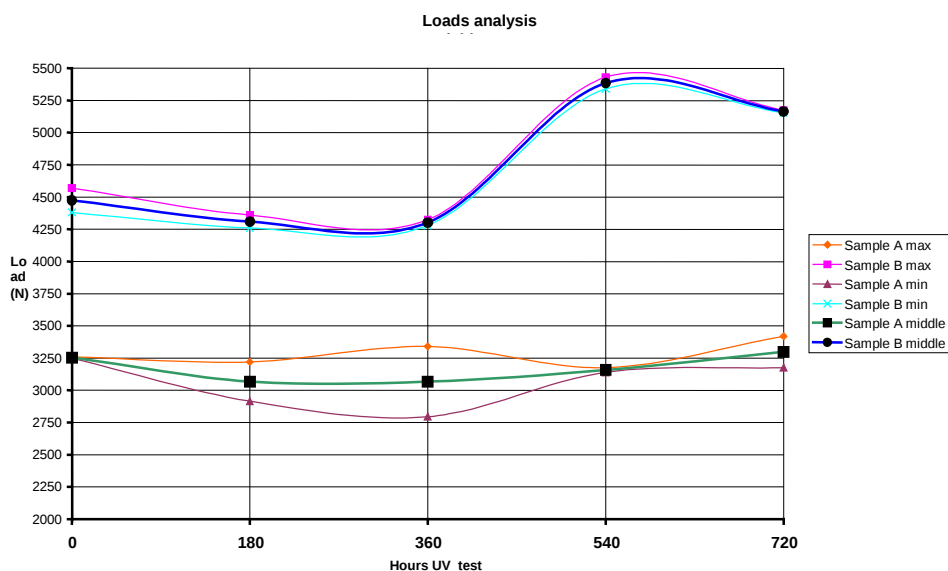
SC001 - Sliding gauge (SIT calibration).

4. TEST RESULT

Analysis of max loads (N)	0h	180h	360h	540h	720h
Sample A max	3260	3220	3340	3175	3420
Sample B max	4570	4360	4325	5430	5175

Analysis of min loads (N)	0h	180h	360h	540h	720h
Sample A min	3250	2915	2795	3140	3175
Sample B min	4380	4260	4280	5340	5155

Analysis of middle loads (N)	0h	180h	360h	540h	720h
Sample A middle	3255	3068	3068	3158	3298
Sample B middle	4475	4310	4303	5385	5165



Division	Date	Signature
Technician (LMA) – A. Rotili	2009-06-22	<i>Antonio Rotili</i>
Laboratory Responsible (DTL) – M. Pettinari	2009-06-22	<i>M. Pettinari</i>

END OF TEST REPORT

This test-report concerns the tested product only; it can be partially or totally reproduced only under written approval by E.Q.I. Test Laboratory.

SCP: 015109	Issue date: 2009-06-22	Page 4 of 4
-------------	------------------------	-------------