

INSPECTION REPORT

In pursuance of an inspection order given to us,

By : Polser Şeffaf Çatı Örtüleri Sanayi Ve Ticaret A.Ş.
Atatürk Organize Sanayi Bölgesi 10006 Sok. No: 56 35620 Çiğli/İzmir/Türkiye

On : 20th of January, 2014

To Perform : Witnessing The Softbody Impact Resistance Test

At : Polser Şeffaf Çatı Örtüleri Sanayi Ve Ticaret A.Ş.
Atatürk Organize Sanayi Bölgesi 10006 Sok. No: 56 35620 Çiğli/İzmir/Türkiye

Manufacturer : Polser Şeffaf Çatı Örtüleri Sanayi Ve Ticaret A.Ş.
Atatürk Organize Sanayi Bölgesi 10006 Sok. No: 56 35620 Çiğli/İzmir/Türkiye

Test Performed : The Softbody Impact Resistance Test

Date/Place of Test : 24th of January, 2014

We hereby report as follows:

Our inspector attended at premises of Polser Şeffaf Çatı Örtüleri Sanayi Ve Ticaret A.Ş. Izmir / Turkey on 24th of January, 2014 to perform witnessing the Impact Resistance Test of above mentioned goods as presented to us by Polser Şeffaf Çatı Örtüleri Sanayi Ve Ticaret A.Ş. and observed following results during the inspection:

Sample(s) Information

– Description of Product : Fibre-Reinforced Plastic (FRP) Sheet

– Trade Mark : Fibralam

– Profile Code : 177/51

– Number of Selected Samples for the Tests : 4 (four) sheets,

– Dimensions of Selected Samples : Thickness Length Width

Sample (1)	: 1,749 mm	≈1211 mm	≈875 mm
Sample (2)	: 1,787 mm	≈1225 mm	≈868 mm
Sample (3)	: 1,767 mm	≈1212 mm	≈870 mm
Sample (4)	: 1,806 mm	≈1215 mm	≈872 mm

Test Load Bag (Soft Body Impactor) Information

– Mass of the soft body impactor : 50,40 kg

– Diameter of the softbody impactor : ≈300 mm

– Height of the softbody impactor : ≈570 mm

Test Frame Information

- Height of the frame : ≈650 mm,
- Length of the frame : ≈2255 mm,
- Width of the frame : ≈2400 mm

Measurement Equipments Used During the Tests

- Digital Micrometer(Serial No: 0202),
Calibration /verification certificate was not provided by the manufacturer.
- Tape Measure,
Calibration /verification certificate was not provided by the manufacturer.
- Digital Weighing
Calibration / verification certificate was provided by the manufacturer (Report No: 2013/438).
- Protherm Brand Ash Oven
Calibration /verification certificate was not provided by the manufacturer.

Test Principle

The soft body impact resistance tests are carried out by dropping a 50 kg test load bag with no initial speed from a height of 2400 mm perpendiculary into the centre of the mid sheet of given test assembly and retaining the load min. 60s on sheet.

After the test load is released for free fall from a height of 2400 mm, the test results are considered as satisfactory provided that:

- the test load falling on the plate does not drill the plate and get through,
- stays on the plate for 60 seconds

Composition of Selected Samples

- Sample (1) : 29,16 (% Fiberglass) 70,84 (% Polyester)
Sample (2) : 28,88 (% Fiberglass) 71,12 (% Polyester)
Sample (3) : 29,24 (% Fiberglass) 60,76 (% Polyester)

The composition of selected samples were measured by the manufacturer according to the instruction record KG.TL.011 Rev.00 under our witnessing.

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Test Results

Satisfactory

It was observed that load (weight bag) did not pass through the sheet after dropping the weight bag from 2400 mm with no initial speed into the centre of sheet and retaining the load min. 60s on sheet.

The information stated in this report is derived from the results of inspection or testing procedures carried out in accordance with the instructions of our Client, and/or our assessment of such results on the basis of any technical standards, trade custom or practice, or other circumstances which should in our professional opinion be taken into account.

The Company is neither an insurer nor a guarantor and disclaims all liability in such capacity.

This report reflects our findings at the time and place of our inspection only and does not relieve the parties from their contractual responsibilities.

Issued in Istanbul
On 31st January, 2014

For and on behalf of
Supervise Gözetme Etüd
Kontrol Servisleri A.Ş.

