Evidence of Performance
Classification of the stability of metal profiles with thermal barrier

Test Report 501 31692/1e*

*) Translation of test report 501 31692 dated 21 April 2009

Client
ETEM S. A.
light metals industry
1 Iroon Polytechniou Str.
19018 Magoula
Greece

Product
Metal profiles with thermal barrier

Designation
E-8250 from system E-8000

Insulating bars
912000 and 227500

Surface treatment
stove-enamel finished
The surface treatment was accomplished before connecting the inner/outer profiles with the insulating bars.

Special features
-/-

Characteristic values for mechanical performance

The requirements of the ETAG 002 Part 3 as to the tested characteristics are fulfilled by the profile E-8250 from system E-8000

<table>
<thead>
<tr>
<th>Characteristic value</th>
<th>Initial State</th>
<th>After ageing I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-20°C</td>
<td>+23°C</td>
<td>+80°C</td>
</tr>
<tr>
<td>Transverse tensile strength in N/mm</td>
<td>84.9</td>
<td>71.9</td>
</tr>
<tr>
<td>Shear strength in N/mm</td>
<td>68.7</td>
<td>60.2</td>
</tr>
<tr>
<td></td>
<td>63.0</td>
<td>50.8</td>
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</tbody>
</table>

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Notes on Publication
The ift-Guidance Sheet 'Conditions and Guidance for the Use of ift Test Documents' applies.
The cover sheet can be used as abstract.

Contents
The report contains a total of 11 page/s
1 Object
2 Procedure
3 Detailed results
4 Evaluation of results
Annex 1 (1 page)