



BUILDING RESEARCH INSTITUTE (NISI) Ltd.

NOTIFIED TEST LABORATORY

Identification number NB 2032 of the Register of EC

Licence granted by the Ministry of Development and Public Works (MRRB), No CPD 10-2032

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**TEST REPORT
INITIAL TYPE TESTING**

ITT-08.35 / 28.07.2008

The tests are carried out in compliance the Chapter Two of the Bulgarian *Regulation for the Essential Requirements to Constructions and Conformity Assessment of Construction Products (RERCCACP)* that bring into force the *Construction Products Directive (CPD) 89/106/EEC* of the Council of European Communities .

Product: Installation bracket
for ventilated facade system Forte 71 121 L

Producer: "STEELMET" AD, Sofia, 119 A Ilienci blvd.

Applicant: "STEELMET" AD, Sofia, 119 A Ilienci blvd.

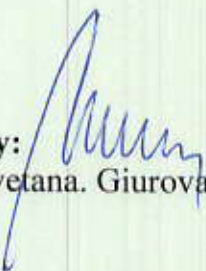
Document for assignment: Contract No 60/2008

Essential requirements: "1" – Mechanical resistance and stability

Test samples: 15 samples from installation brackets Forte 71 121 L

Test period: from 02.07.2008 to 25.07.2008

Conclusion: The presented samples from installation brackets for ventilated facade system Forte 71 121 L meets the requirement of EN 845-1:2003 for ancillary components for masonry

Head of Testing Laboratory: 
Eng. Tzvetana. Giurova

Head of Institute: 
Dr.Eng. Rumen Guglev, assc.prof.



The Test Report consists of 6 pages. Copies of the Test Report can be made with written consent of the NISI Ltd.

Testing data:

No	Characteristic	Unit of measurement	Test method	Test result	Requirement according to EN 845-1:2003 ¹⁾
1.	Bending strength at 2 mm deflection (photo 1) ²⁾	N	EN 845-10:2000	3512	≥ 3000
2.	Failure load at bending (photo 2) ²⁾	N	EN 845-10:2000	16265	≥ 14000
3.	Failure load at compression (photos 3 and 4) ²⁾	N	EN 845-10:2000	39240	≥ 35000
4.	Failure load at tension (photos 5 and 6) ²⁾	N	EN 845-10:2000	18737	≥ 16000

Note:

- 1) Declared value by the producer according to the requirements of EN 845-1:2003.
- 2) The photos taken during the test are given in an annex.

Technical documentation:

EN 845-1:2003 Specification for ancillary components for masonry - Part 1: Ties, tension straps, hangers and brackets

EN 845-10:2000 Methods of test for ancillary components for masonry - Part 10: Determination of load capacity and load deflection characteristics of brackets

Tests are carried out by

Eng. Emil Penev



Head of Testing Laboratory:

Eng. Tzvetana Giurova

