



BUILDING RESEARCH INSTITUTE (NISI) Ltd.

NOTIFIED TEST LABORATORY

Identification number NB 2032 of the Register of EC

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TEST REPORT INITIAL TYPE TESTING

ITT-08.29 / 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 BRAVO – 07 bravo 01

Producer: “STEELMET” AD, Sofia, 119 A Ilienci blvd.

Applicant: “STEELMET” AD, Sofia, 119 A Ilienci blvd.

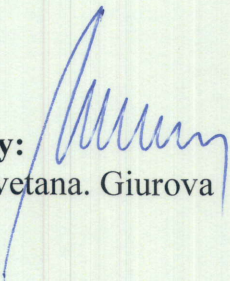
Document for assignment: Contract No 60/2008

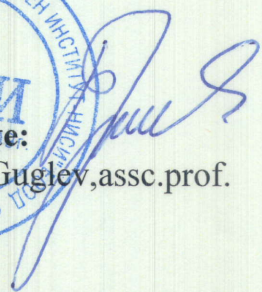
Essential requirements: “1” – Mechanical resistance and stability

Test samples: 15 samples from installation brackets BRAVO – 07
bravo 01

Test period: from 02.07.2008 to 25.07.2008

Conclusion: The presented samples from installation brackets for ventilated facade system BRAVO – 07 bravo 01 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.



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	760	≥ 600
2.	Failure load at bending (photo 2) ²⁾	N	EN 845-10:2000	2330	≥ 2000
3.	Failure load at compression (photos 3 and 4) ²⁾	N	EN 845-10:2000	19620	≥ 15000
4.	Failure load at tension (photos 5 and 6) ²⁾	N	EN 845-10:2000	7150	≥ 5000

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

