

HELLENIC REPUBLIC  
NATIONAL AND KAPODISTRIAN UNIVERSITY OF  
ATHENS

DEPARTMENT OF PHYSICS  
DIVISION OF APPLIED PHYSICS

GROUP FOR STUDIES ON THE BUILT ENVIRONMENT

Physics Building 5, Postal Code 15784 University Campus, Athens  
Tel. +30 210 7274092 +30 210 72 76 841 Fax: +30 210 72 95 282  
msantam@phys.uoa.gr <http://grbes.phys.uoa.gr>

Report on Reflectance and Emittance Measurement  
by the Department of Physics of the University of Athens

The laboratory of the Group for Studies on the Built Environment, Department of Physics of the University of Athens, performed measurements of reflectance in the spectral range from 300-2500nm and measurements of infrared emittance, for the company NEOTEX S.A., under a contract signed between the National and Kapodistrian University of Athens – Special Account for Research Grants, and NEOTEX S.A. on 2.1.2013. The specimen examined measured 7cm x 7cm and had the following characteristics:

\* Specimen of White Paint under the trade name NEODUR

The laboratory of the Group for Studies on the Built Environment hereby certifies that on 17.1.2013 the specimen was found to have:

Specimen	Solar reflectance (SR)	Infrared Emittance (±0.05)	Solar Reflectance Index (SRI)
NEODUR	0.88	0.86	111

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ΜΕΤΑΦΡΑΣΤΙΚΗ ΥΠΗΡΕΣΙΑ

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The solar reflectance measurement was performed in accordance with international standards ASTM E903-96, using a spectrophotometer UV/VIS/NIR (Carry 5000) equipped with an integrating sphere (LABSPHERE).

The infrared emittance measurement was performed in accordance with international standard ASTM Standard E408-71 using Emisometer Model AE (Devices & Services).

The Solar Reflectance (SR) and Solar Reflectance Index (SRI) were calculated as per international standards ASTM G159-91 and ASTM E1980-01.

Date: 17.1.2013

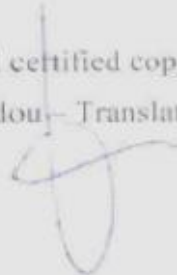
Professor Santamouris Mattheos

(Signed)

(Seal: University of Athens – Department of Physics)

True photocopy attested by the Citizen Services Center of the City of Mandra-Idyllia, 21.2.2013 (Signed-Sealed)

True translation of the attached certified copy in Greek.  
Athens, 2.5.2013 M. Kontopidou – Translator



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