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GENERAL INFORMATION

Subject:	Test report on testing activities to determine solar reflectance. It amends and cancel ETR-16-0041.		
Client	GAMBALE S.R.L. CORSO ITALIA 538 44043 MIRABELLO (FE) C.F. E P.I. 00370370389	Client reference person	Stefano Gambale +39 0532 849714 stefanogambale@gambaletegole.com
Commitment document	Mail dated 29/01/2016 signed by Stefano Gambale	Report release date	06/05/2016

SAMPLE DATA

Receipt date	01/02/2016					
Sample id. sub.	-					
ECRC id	TS00000001					
Manufacturer						
Product name	Coppo Mediterraneo Smog Free Bianca					
Sampling	Supplied by the Client					
Short physical description*	Product type: concrete tile covered with titanium dioxide mineral coating Substrate: Concrete					
Sample thickness	N.R.	Total sample size	420 x 330 mm			
Surface coated	YES	Coating thickness	N.A.			
Surface state	<i>variegated</i>	NO	<i>aged</i>	NO	<i>cleaned</i>	NO
Information on history and ageing*	N.A.					
Optical properties	Diffusive reflecting	NO				
	Specular reflecting	NO				
	Intermediate reflecting	YES				
	Clear transmitting	NO				
	Translucent transmitting	NO				
	Opaque	YES				
Notes	Information on surface coating, aging and cleaning provided by the Client where known.					



Sample picture

The test results are based on the material supplied by the client. This report shall not be reproduced except in full without the written approval of this laboratory. This laboratory assumes no responsibility nor makes a performance or warranty statement for this material or products and processes containing this material in connection with this report.



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TEST RESULTS

Test Date		Solar Reflectance (SR)	Standard Deviation	Measured Values		
11/02/2016	Value	0.789	0.004	0.794	0.788	0.786
Reference Standard		ASTM C1549-09				
Reference Solar Spectrum		ASTM Standard G173 Hemispherical Tilt				

Notes

This test was performed according to *ASTM C1549-09: Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Reflectometer* with air mass 1.5. A solar spectrum reflectometer Devices and Services SSR-ER was used. Calibration standards with low (0.000) and high (0.864) solar reflectance were provided by the instrument manufacturer

Measurements were conducted at ambient temperature of $23 \pm 4^{\circ}\text{C}$ and relative humidity of $40\% \pm 10\%$.

The Responsible of EELab Laboratory
Prof. Alberto Muscio