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TECHNICAL REPORT

Infrared thermography scanning

Order	n.0219E of 20.05.2019
Customer	Di Maria Paint spa
description	The document describes the qualitative measurment of infrared thermography scanning on Di Maria paint named Bisaten Thermal Paint. Only for comparison are reported another commercial paint.
Delivery	17/06/2019
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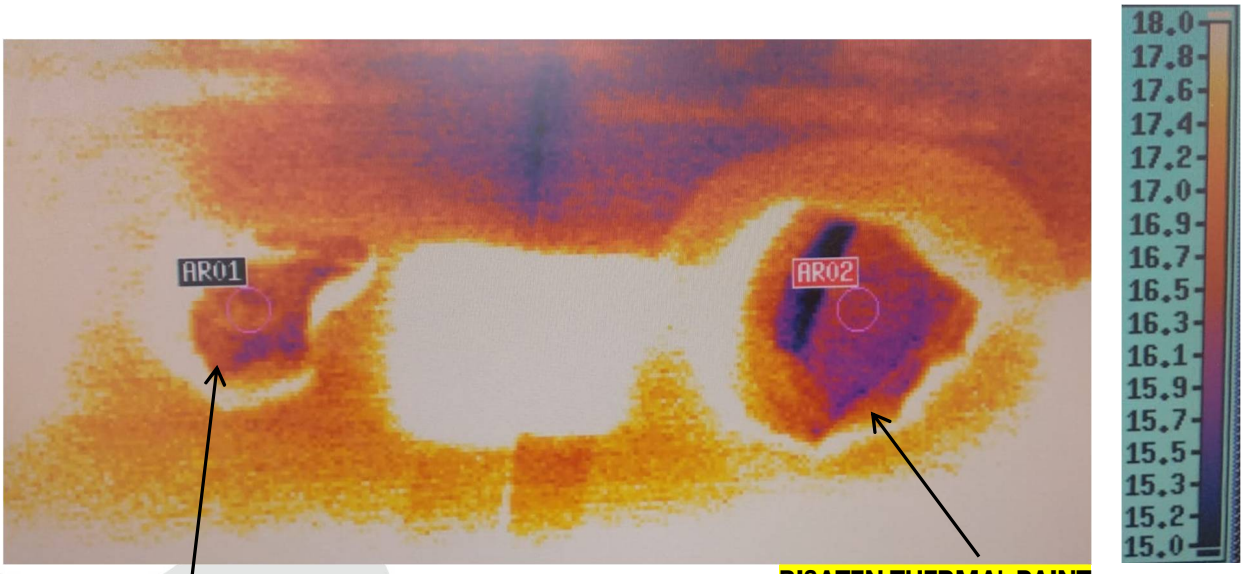
DETAILS	
Type of measurment	Infrared thermography scanning
Instrument	Agema ERIKA Thermal camera
Reference	Internal method
Method	The scanning images have obtained using two sample of 5 mm thickness and 80 mm of diameter. The samples have exposed outside for 10 min of solar radiation; emissivity value = 0,9 for each samples analyzed. The thermal images have been reported on Bisaten Thermal Paint and other commercial paint from other competitor. During the infrared scanning a part of sample about 5x5 cm2 of area was used. The scanning analyzed an area on the sample about 1cm2(AR01 and AR02).

SAMPLE DETAILS			
Id. samples	**Preparation date**	**Thickn**	**Note**
Bisaten Thermal Paint	06.06.2019	5mm	Dried 40°C – 24 H before to analyze
Standard paint	06.06.2019	5mm	Dried 40°C – 24 H before to analyze

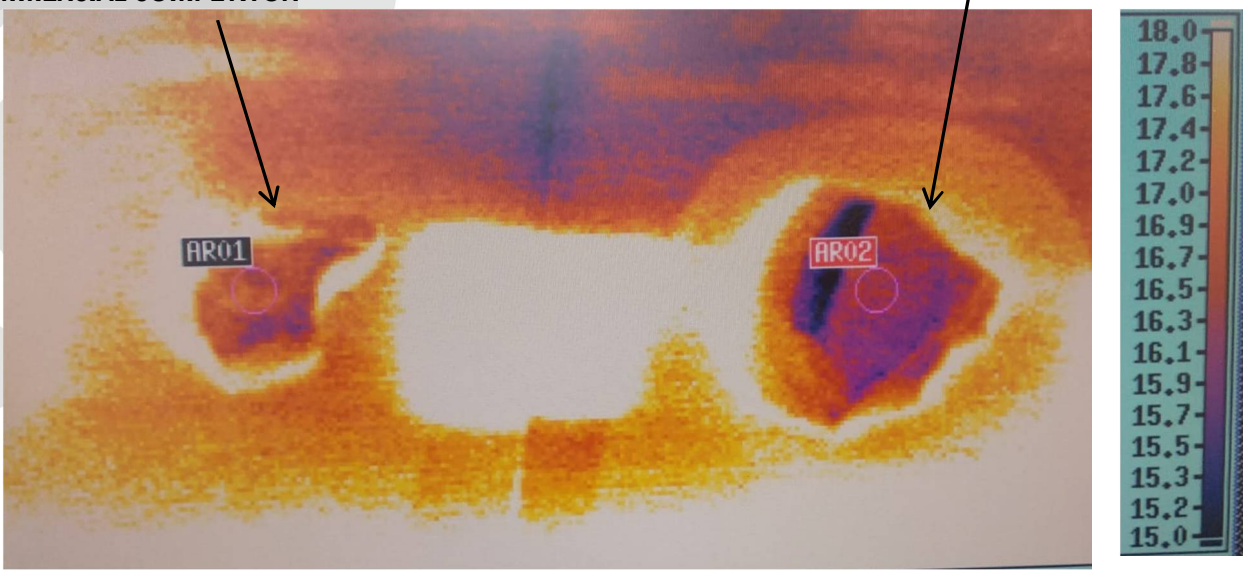
Sample preparation

RESULTS
It is possible to observe about 1°C less between Bisaten Therma Paint and other commercial competitor sample, after 20 min under solar radiation exposure(Text=35°C- RH%=60%); the measurement has begun after steady-state conditions have been reached.



BISATEN THERMAL PAINT

COMMERCIAL COMPETITOR



	AR01	AR02
Temperature Min/Max (°C)	17/18,10	17/17,3
Average(°C)	17,60	16,9

eng. Antonio Chiechi

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