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TEST REPORT No. 306248

This test report cancel and replace test report No. 301566 dated 27/12/2012 issued by Istituto Giordano

Place and date of issue: Bellaria-Igea Marina - Italy, 07/06/2013

Customer: CHIMIVER PANSERI S.p.A. - Via Bergamo, 1401 - 24030 PONTIDA (BG) - Italy

Date test requested: 21/11/2012

Order number and date: 58123, 22/11/2012

Date sample received: 22/11/2012

Test date: 12/12/2012

Purpose of test: determination of the slip/skid resistance of a surface in accordance with standard UNI EN 13036-4:2011

Test site: Istituto Giordano S.p.A. - Blocco 8 - Via del Lavoro, 1 - 47814 Bellaria-Igea Marina (RN) - Italy

Sample origin: sampled and supplied by the Customer

Identification of sample received: No. 2012/2463

Description of sample*

The test sample comprises oak flooring coated with the product "Ecostar 2K Sport" applied in the following manner:

- one two-component water-based undercoat;
- two water-based top coats (Ecostar 2K Sport),

in a quantity of approx. 100 g/m², sanding with 220-grit sandpaper between the first and second coat.

Normative References

The test was carried out in accordance with the requirements of the following standards:

- UNI EN 14904:2006 dated 20/07/2006 "Superfici per aree sportive - Superfici multi-sport per interni - Specifiche" *("Surfaces for sports areas - Indoor surfaces for multi-sports use - Specification")*;
- UNI EN 13036-4:2011 dated 26/10/2011 "Caratteristiche superficiali delle pavimentazioni stradali ed aeroportuali - Metodi di prova - Parte 4: Metodo per la misurazione della resistenza allo slittamen-

(*) according to that stated by the Customer.

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to/derapaggio di una superficie: Metodo del pendolo" *("Road and airfield surface characteristics - Test methods - Part 4: Method for measurement of slip/skid resistance of a surface: The pendulum test").*

Test method

The test involves determining the sliding friction resistance using a portable apparatus with a pendulum whose unrestrained end is fitted with a rubber pad of international rubber hardness degree (IRHD) 57.
This apparatus measures the friction between pad and test surface and provides a standardised value of skid resistance. This is called the Pendulum Test Value (PTV) under dry conditions.

Test results

Pendulum Test Value (PTV) under dry conditions

Specimen [No.]	1st measurement	2nd measurement	3rd measurement	4th measurement	5th measurement	Mean
1	100	105	105	100	100	102
2	95	95	95	100	95	96
3	95	95	100	100	100	98
4	95	100	95	100	95	97
5	100	100	100	100	100	100
PTV						**99**

Note: when tested by the method described in UNI EN 13036-4:2011 under dry conditions at a temperature of (23 ± 2) °C, the mean of the Pendulum Test Value shall be between 80 and 110 and no individual test result shall differ from the mean by more than four units (section 4.2 of the UNI EN 14904:2006).

Specimen photo

Test Technician
(Per. Ind. Luigi Consiglio)

Head of Building Materials Laboratory
(Dott. Geol. Gianluca Ferraiolo)

Managing Director
L'AMMINISTRATORE DELEGATO
Dott. Ing. Vincenzo Iommi