

**MODENA CENTRO PROVE s.r.l.**

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C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

MECCANICA**ECOLOGIA****CERAMICA****AUTOMOTIVE**

Modena, 18/05/20

To **BRETON SPA**
VIA GARIBALDI 27
31030 CASTELLO DI GODEGO TV

Attn. **SIG. CARRON**

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
sintered stone	SATIN	-	06/05/2020

Here attached, you will receive the Test Report of Serial No. **20202645**/n, which shows the results of tests required.

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Director
Sant'Unione dr. Giuseppe



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TEST REPORT: 20202645/1

Modena, 18/05/20

CUSTOMER	BRETON SPA - - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV
MATERIAL and/o SAMPLE to be tested	sintered stone;
Denomination	SATIN;
Date of sample reception	06/05/2020;
Kind of test executed	Determination of Unpolished and Polished slip/skip Resistance Value
Referring standards	UNE 41901:2017 EX
Shifting from standards	None
Equipment	Pendulum cod. MCP C163
Subcontracted phases	None
Sampling made by	Customer

*The test results showing in this Report are only referred to the sample taken by our staff or supplied by the Customer. He commits himself to reproduce integrally this document. Partial reproduction is forbidden.
The times of retain of the samples was indicated in the offer related to the test report.*

Examiner

P.I. Fili Thomas

X Ceramic Dept. Responsible

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DETERMINATION OF UNPOLISHED AND POLISHED SLIP\SKIP RESISTANCE VALUE

Beginning date : 05/14/2020

Analysis ending date : 05/15/2020

SAMPLE : sintered stone marked « SATIN »

The friction characteristics of each specimen shall be assessed by determining the wet dynamic friction between the specimen and the slider of a pendulum swinging in a vertical plane.

RESULTS

Sample	Average value (USRV)
1	30
2	30
3	30
4	30

- Average value (USRV) : 30 (Class 1)

CLASSIFICATION

(Supplemento del SUA Dicembre 2019 Sección SUA 1 p.to 1)

RESISTANCE VALUE Rd	CLASS
$Rd \leq 15$	0
$15 < Rd \leq 35$	1
$35 < Rd \leq 45$	2
$Rd > 45$	3

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TEST REPORT: 20202645/2

Modena, 18/05/20

CUSTOMER	BRETON SPA - - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV
MATERIAL and/o SAMPLE to be tested	sintered stone;
Denomination	SATIN;
Date of sample reception	06/05/2020;
Kind of test executed	Slip resistance of pedestrian surfaces with Pendulum Testers
Referring standards	BS 7976-2:2002+A1:2013
Shifting from standards	No one
Equipment	Pendulum cod. MCP C163
Subcontracted phases	No one
Sampling made by	Customer

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The sample information provided by the customer is shown in blue. Should this information influence the validity of the results, MCP declines all responsibility.
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SLIP RESISTANCE OF PEDESTRIAN SURFACES WITH PENDULUM TESTERS

Beginning date : 14/05/2020

Analysis ending date : 15/05/2020

SAMPLE : sample marked " SATIN "

The test was performed using the pendulum device, consisting of a normalized rubber slider, connected to the end of the pendulum itself. During the oscillation, the frictional force is measured between the test surface, fixed on a sample holder table, and the saucer, using a calibrated scale to evaluate the frictional properties of the specimen.

RESULTS

Rubber used

(hardness): 4S(96)

PTV - DRY TEST

SAMPLE	1	2	3	4	5	Average value
1	45	45	45	45	45	45
2	40	40	40	40	40	40
3	40	40	40	40	40	40
4	45	45	45	45	45	45
5	40	40	40	40	40	40
					PTV average value	42

PTV - WET TEST

SAMPLE	1	2	3	4	5	Average value
1	25	25	25	25	25	25
2	25	25	25	25	25	25
3	25	25	25	25	25	25
4	20	20	20	20	20	20
5	25	25	25	25	25	25
					PTV average value	24

NOTE: in the case of rubber TRL (55) type, the average PTV value is corrected according to the temperature of the test surface.

REFERENCE VALUES – UK Slip Resistance Group Guidelines Issue 5 2016

Classe	PTV (pendulum test value)
High slip potential	0 ÷ 24
Moderate slip potential	25 ÷ 35
Low slip potential	≥ 36

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