

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059 822417 r.a. - Fax 0598635115 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
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, 21/05/20

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 | VELLUTO | - | 06/05/2020 |
| | | | |

Here attached, you will receive the Test Report of Serial No. **20202651**/n, which shows the results of tests required.

MODENA CENTRO PROVE

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

TEST REPORT: 20202651/1

Modena, 21/05/20

CUSTOMER

BRETON SPA - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV

MATERIAL and/o SAMPLE to be tested

sintered stone;

Denomination

VELLUTO;

Date of sample reception

06/05/2020;

Kind of test executed

Determination of Dynamic Coefficient of Friction (DCOF)

Referring standards

ANSI A326.3-2017

Shifting from standards

No one

Equipment

Tribometer BOT3000E cod. MCP C143 (Cert. n. MO28252219M of 22/05/2019)

Subcontracted phases

No one

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.
The sample information provided by the customer is shown in blue. Should this information influence the validity of the results, MCP declines all responsibility.
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. Bortolai Alberto

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe



MODENA CENTRO PROVE s.r.l.
Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

DETERMINATION OF DYNAMIC COEFFICIENT OF FRICTION

Beginning date : 08/05/2020

Analysis ending date : 08/05/2020

SAMPLE : Ceramic tiles, marked « **VELLUTO** »

The test has been carried out using the instrument BOT 3000, tribometer of the coefficient of dynamic friction (DCOF) between a sliding SBR sensor and the surface of test.

WET OPERATING CONDITION

Wet the path that the sensor will follow with 0,05% SLS (Sodium-Lauryl Sulfate) water.

SAMPLE CLEANING

The sample has been clean with: RENOVATOR 120

SENSOR VERIFICATION

| | |
|---|-------------|
| Values of DCOF on standard tile before testing test specimens | 0,29 |
| Values of DCOF on standard tile after testing test specimens | 0,28 |

RESULTS

| Test Condition | Measure 1 | Measure 2 | Measure 3 | Measure 4 | Average |
|-------------------|-----------|-----------|-----------|-----------|-------------|
| Wet DCOF - tile 1 | 0,42 | 0,43 | 0,43 | 0,43 | 0,43 |
| Wet DCOF - tile 2 | 0,44 | 0,42 | 0,43 | 0,43 | 0,43 |
| Wet DCOF - tile 3 | 0,43 | 0,43 | 0,43 | 0,43 | 0,43 |

REFERENCE VALUES

ANSI A137.1:2017 prescribe a minimum threshold of 0,42 for level interior spaces expected to be walked upon when wet.

Examiner

p.i. Bortolai Alberto

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

TEST REPORT: 20202651/2

Modena, 21/05/20

| | |
|---|--|
| CUSTOMER | BRETON SPA - - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV |
| MATERIAL and/o SAMPLE to be tested | sintered stone; |
| Denomination | VELLUTO; |
| 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 |

*The test results showing in this Report are only referred to the sample taken by our staff or supplied by the Customer.
The sample information provided by the customer is shown in blue. Should this information influence the validity of the results, MCP declines all responsibility.
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

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

SLIP RESISTANCE OF PEDESTRIAN SURFACES WITH PENDULUM TESTERS

Beginning date : 15/05/2020

Analysis ending date : 15/05/2020

SAMPLE : sample marked " VELLUTO "

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 | 50 | 50 | 50 | 50 | 50 | 50 |
| 2 | 45 | 45 | 45 | 45 | 45 | 45 |
| 3 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 50 | 50 | 50 | 50 | 50 | 50 |
| 5 | 45 | 45 | 45 | 45 | 45 | 45 |
| PTV average value | | | | | | 48 |

PTV - WET TEST

| SAMPLE | 1 | 2 | 3 | 4 | 5 | Average value |
|-------------------|----|----|----|----|----|---------------|
| 1 | 40 | 40 | 40 | 40 | 40 | 40 |
| 2 | 35 | 35 | 35 | 35 | 35 | 35 |
| 3 | 35 | 35 | 35 | 35 | 35 | 35 |
| 4 | 40 | 40 | 40 | 40 | 40 | 40 |
| 5 | 40 | 40 | 40 | 40 | 40 | 40 |
| PTV average value | | | | | | 38 |

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 |

Examiner
P.I. Fili Thomas
P.I. Fili Thomas

MODENA CENTRO PROVE
P.I. De Pasquale Roberto
Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE
Sant'Unione dr. Giuseppe
Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059 822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it -
www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 C.F. e P. IVA n. 01592020364



LAB N°1018L

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILACSignatory of EA, IAF and ILAC Mutual
Recognition Agreements**TEST REPORT: 20202651/3**

Modena, 21/05/20

CUSTOMER**BRETON SPA - - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV****MATERIAL and/o SAMPLE to be tested**

sintered stone;

Denomination

VELLUTO;

Date of sample reception

06/05/2020;

Date of sample acceptance

06/05/2020;

Kind of test executed

Determination of the anti-slip property – Walking method – Ramp test

Referring standardsDIN 51130:2014 (Escluso capitoli 4.2
6 Raccolta di volume)**Shifting from standards**

No one

Equipment

Pullmeter with ramp cod. MCP C150

Subcontracted phases

No one

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. The sample information provided by the customer is shown in blue. Should this information influence the validity of the results, MCP declines all responsibility.

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. Bortolai Alberto | Examiner p.i. Nasseti Luca | MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto | MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe |
|--|--|---|--|

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059 822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it -
www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 C.F. e P. IVA n. 01592020364



LAB N°1018L

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILACSignatory of EA, IAF and ILAC Mutual
Recognition Agreements**DETERMINATION OF THE ANTI-SLIP PROPERTY – WALKING METHOD – RAMP TEST**

Beginning date : 11/05/2020

Analysis ending date : 12/05/2020

SAMPLE : Ceramic tiles, marked « **VELLUTO** »**RESULTS**Mean inclination angle α_{ges} : 5,6

Classification: n.c.

CLASSIFICATION

| Mean value α_{ges} | Class |
|---|-------|
| $6^\circ \leq \alpha_{ges} \leq 10^\circ$ | R 9 |
| $10^\circ < \alpha_{ges} \leq 19^\circ$ | R 10 |
| $19^\circ < \alpha_{ges} \leq 27^\circ$ | R 11 |
| $27^\circ < \alpha_{ges} \leq 35^\circ$ | R 12 |
| $\alpha_{ges} > 35^\circ$ | R 13 |

Note : The group classification give the parameter for determine the sliding resistance: the group R 9 is less anti-slip, the group R 13 as the maximum effectiveness anti-slip.

Examiner

p.i. Bortolai Alberto

Examiner

p.i. Nassetti Luca

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059 822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it -
www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 C.F. e P. IVA n. 01592020364



LAB N°1018L

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements

TEST REPORT: 20202651/4

Modena, 21/05/20

CUSTOMER**BRETON SPA - - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV****MATERIAL and/o SAMPLE to be tested**

sintered stone;

Denomination

VELLUTO;

Date of sample reception

06/05/2020;

Date of sample acceptance

06/05/2020;

Kind of test executedDetermination of the anti-slip properties – Wet-loaded barefoot areas;
Walking method – Ramp test**Referring standards**

DIN 51097:1992

Shifting from standards

No one

Equipment

Pullmeter with ramp cod. MCP C150

Subcontracted phases

No one

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. The sample information provided by the customer is shown in blue. Should this information influence the validity of the results, MCP declines all responsibility.

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. Bortolai Alberto**Examiner**
p.i. Nasseti Luca**MODENA CENTRO PROVE**
Ceramic Dept. Responsible
P.I. De Pasquale Roberto**MODENA CENTRO PROVE**
Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059 822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it -
www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 C.F. e P. IVA n. 01592020364



LAB N°1018L

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILACSignatory of EA, IAF and ILAC Mutual
Recognition Agreements**DETERMINATION OF THE ANTI-SLIP PROPERTIES – WET-LOADED BAREFOOT AREAS; WALKING
METHOD – RAMP TEST**

Beginning date : 11/05/2020

Analysis ending date : 12/05/2020

SAMPLE : Ceramic tiles, marked « **VELLUTO** »**RESULTS**

Sample dimensions (length, width) : 1x0.5 m
Width of joints : 5 (mm)
Grounding substance : mortar
Direction of profiles : no one

SLIP ANGLE : 17
CLASSIFICATION : A

CLASSIFICATION

| Total Average Values | Group Classification |
|----------------------|----------------------|
| < 12 | 0 |
| ≥ 12° | A |
| ≥ 18° | B |
| ≥ 24° | C |

| | | | |
|--|--|---|--|
| Examiner p.i. Bortolai Alberto | Examiner p.i. Nasseti Luca | MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto | MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe |
|--|--|---|--|

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

TEST REPORT: 20202651/5

Modena, 21/05/20

CUSTOMER

BRETON SPA - - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV

MATERIAL and/o SAMPLE to be tested

sintered stone;

Denomination

VELLUTO;

Date of sample reception

06/05/2020;

Kind of test executed

Determination of Slipperiness

Referring standards

D.M. 236 - 89 Rif.B.C.R.

Shifting from standards

No one

Equipment

Pullmeter Tortus cod. MCP C142

Subcontracted phases

No one

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. Bortolai Alberto

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe



MODENA CENTRO PROVE s.r.l.
Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

DETERMINATION OF SLIPPERINESS

Beginning date : 08/05/2020

Analysis ending date : 08/05/2020

SAMPLE : Ceramic tiles, marked « **VELLUTO** »

The test has been performed using the TORTUS floor friction tester, that measures the dynamic coefficient of friction between a loaded slider and the surface under test.

OPERATING CONDITIONS

- Speed of travel (mm/s) : 17
- Load applied to slider (q) : 200g
- Slider's diameter (\varnothing) mm : 9

RESULTS

| Surface Conditions | Type of course | Coefficient of Friction (COFd) μ |
|--------------------|--------------------|--------------------------------------|
| Dry (d) Leather | Straight | 0,58 |
| | Oblique right side | 0,59 |
| | Oblique left side | 0,60 |

- Average coefficient of friction COFd (μ) : 0,59

| Surface Conditions | Type of course | COEFFICIENT of FRICTION (COFw) μ |
|--|--------------------|--------------------------------------|
| Wet (water + wetting agent) (w) Hard shoe – heeling rubber 4S | Straight | 0,64 |
| | Oblique right side | 0,66 |
| | Oblique left side | 0,64 |

- Average coefficient of friction COFw (μ) : 0,65

REQUIREMENTS

- D.M. 236 - 14/06/1989** : > 0.40 μ it is for dry ground/leather for is bathed/rubber

RECOMMENDED VALUES

(B.C.R. Rep. CEC 6/81)

- $\mu < 0.19$: Dangerous
- $0.20 < \mu < 0.39$: Excessive
- $0.40 < \mu < 0.74$: Satisfactory
- $\mu > 0.75$: Excellent

Examiner

p.i. Bortolai Alberto

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

TEST REPORT: 20202651/6

Modena, 21/05/20

| | |
|---|--|
| CUSTOMER | BRETON SPA - - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV |
| MATERIAL and/o SAMPLE to be tested | sintered stone; |
| Denomination | VELLUTO; |
| Date of sample reception | 06/05/2020; |
| Kind of test executed | Determination of Slip Resistance |
| Referring standards | UNI EN 14231:2004 |
| 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

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe



MODENA CENTRO PROVE s.r.l.
Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

DETERMINATION OF SLIP RESISTANCE

Beginning date : 05/15/2020

Analysis ending date : 05/15/2020

SAMPLE : sintered stone sample marked " VELLUTO "
SPECIMEN :

The test was performed measuring friction resistance between standard rubber surface and the upper side of test specimens.

RESULTS

Wet slipping element and samples used.

| Sample N° | Single values(USRV) two directions average |
|----------------|--|
| 1 | 58 |
| 2 | 58 |
| 3 | 58 |
| 4 | 58 |
| 5 | 58 |
| 6 | 60 |
| Average | 58 |

dry slipping element and samples used.

| Sample N° | Single values(USRV) two directions average |
|----------------|--|
| 1 | 36 |
| 2 | 38 |
| 3 | 38 |
| 4 | 38 |
| 5 | 40 |
| 6 | 38 |
| Average | 38 |

REQUIREMENTS (Norm EN 1341)

Safety surface with USRV values > 35

Examiner
P.I. Fili Thomas
P.I. Fili Thomas

MODENA CENTRO PROVE
P.I. De Pasquale Roberto
Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE
Sant'Unione dr. Giuseppe
Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

TEST REPORT: 20202651/7

Modena, 21/05/20

| | |
|---|--|
| CUSTOMER | BRETON SPA - - VIA GARIBALDI 27 - 31030 - CASTELLO DI GODEGO - TV |
| MATERIAL and/o SAMPLE to be tested | sintered stone; |
| Denomination | VELLUTO; |
| 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

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

DETERMINATION OF UNPOLISHED AND POLISHED SLIP\SKIP RESISTANCE VALUE

Beginning date : 05/15/2020

Analysis ending date : 05/15/2020

SAMPLE : sintered stone marked « **VELLUTO** »

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 | 38 |
| 2 | 39 |
| 3 | 40 |
| 4 | 35 |

- Average value (USRV): 38 (Class 2)

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 |

Examiner

P.I. Fili Thomas

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe