

**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, 05/04/23

To **GRUPPO BETA SPA**  
S.S.569 NR.234 FRAZ. SOLIGNANO  
NUOVO  
41014 CASTELVETRO DI MODENA MO

Attn. **DOTT. MONTANINI G.**

| MATERIAL and/or SAMPLE to be tested | Denomination of the Sample | Client Reference – Your delivery | date       |
|-------------------------------------|----------------------------|----------------------------------|------------|
| Ceramic tiles                       | SYMPHONY                   | Our withdrawal of samples        | 22/03/2023 |

Here attached, you will receive the Test Report of Serial No. **20232045**/n, which shows the results of tests required.

**MODENA CENTRO PROVE**

MODENA CENTRO PROVE  
  
Director  
Sant'Unione dr. Giuseppe



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## TEST REPORT: 20232045/1

Modena, 05/04/23

|                                           |                                                                                                         |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>CUSTOMER</b>                           | <b>GRUPPO BETA SPA - - S.S.569 NR.234 FRAZ. SOLIGNANO NUOVO - 41014 - CASTELVETRO DI MODENA - MO</b>    |
| <b>MATERIAL and/o SAMPLE to be tested</b> | Ceramic tiles;                                                                                          |
| <b>Denomination</b>                       | SYMPHONY;                                                                                               |
| <b>Date of sample reception</b>           | 22/03/2023;                                                                                             |
| <b>Date of sample acceptance</b>          | 22/03/2023;                                                                                             |
| <b>Kind of test executed</b>              | Determination of slip resistance of pedestrian surfaces – Methods of evaluation - <b>Shod ramp test</b> |
| <b>Referring standards</b>                | DIN EN 16165:2023 Annex B                                                                               |
| <b>Shifting from standards</b>            | No one                                                                                                  |
| <b>Equipment</b>                          | Torsion free platform cod. MCP C150                                                                     |
| <b>Subcontracted phases</b>               | No one                                                                                                  |
| <b>Sampling made by</b>                   | Customer                                                                                                |

*The test results reported in this Test Report refer only to the sample sampled by our staff and / or given by the Customer as received.*

*The sample identification data were provided by the customer. Further additional information provided by the Customer will be reported in the Test Report with symbol #. If the information provided by the customer influences the validity of the results, MCP declines all responsibility.*

*Any changes / additions made to the Test Report after its first issue will be identified by underlining the text.*

*The Customer undertakes to reproduce this document in its entirety. Any form of partial reproduction is prohibited.*

*The storage times of the samples are indicated on the offer or contract to which this Test Report refers.*

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

**DETERMINATION OF SLIP RESISTANCE OF PEDESTRIAN SURFACES  
METHODS OF EVALUATION - SHOD RAMP TEST**

Beginning date : 24/03/2023

Analysis ending date : 27/03/2023

**RESULTS**

Surface structure: other  
 Ramp test value  $\alpha_{shod}^{(2)}$ : 8  
 Slip resistance class: R9

<sup>(2)</sup> rounded to the nearest 1 degree

**Assessment classes (National Annex DIN EN 16165:2023 - NB - § NB.2)**

| Test result $\alpha_{shod}$                | Slip resistance class |
|--------------------------------------------|-----------------------|
| $6^\circ \leq \alpha_{shod} \leq 10^\circ$ | R 9                   |
| $10^\circ < \alpha_{shod} \leq 19^\circ$   | R 10                  |
| $19^\circ < \alpha_{shod} \leq 27^\circ$   | R 11                  |
| $27^\circ < \alpha_{shod} \leq 35^\circ$   | R 12                  |
| $\alpha_{shod} > 35^\circ$                 | R 13                  |