



Łukasiewicz
Instytut
Przemysłu
Organicznego

**Quality Control
System**



ISO 9001:2015
AQAP 2110:2016



PL-J-753/10/2020

Manufacturing
of analytical
standards of organic
compounds
in neat form and
in solutions.

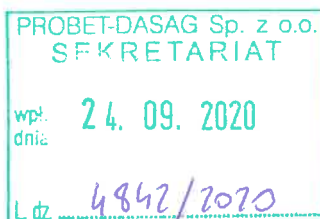
**Good Laboratory
Practice (GLP)**

**PCA Accreditation
of testing
laboratory
ISO/IEC
17025:2018**

Accreditation



**MSWiA Concession
No B-036/2003**



BC.502.5.26.2020.MW.2

Warsaw, 21st September 2020

PROBET-DASAG Sp. z o.o.
68-100 Żagań
Fabryczna Street 4-6

Re: **Evaluation of the properties terrazzo tiles for internal use, pattern 7598, LINE NORDIC, with regard to protection against static electricity in explosion hazard areas (zones)**

On the basis of control tests commissioned by PROBET-DASAG Sp. z o.o. following its letter of 12 February 2016 (IPO protocol no 26/BCE/2019) it is confirmed that:

Terrazzo tiles for internal use, pattern 7598, LINE NORDIC producer: PROBET-DASAG Sp. z o.o. meet the requirements of protection against static electricity according to:

- **PN-E-05204:1992 in 3.1.2.1 c), 3.1.2.2, with regard to explosion hazard areas (zones) 0, 1, 2, 20, 21 i 22 (classified according to the regulation of the Minister of Economy of 8 July 2010 on minimum requirements as regards occupational safety and health of persons working in explosion hazard environments – Official Journal no 138. Item 931).**

The above assessment is based on the highest allowable leakage resistance (R_u) of terrazzo tiles:

$$R_u (R_{gp}) \leq 1 \cdot 10^6 \Omega.$$

- **IEC/TS 60079-32-1:2013 in 11.2, in explosion hazard areas (zones)**

The leakage resistance (R_u) meet condition: $R_u < 100 M\Omega$.

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REGON: 000042613, District Court for the capital city of Warsaw, XIII Commercial Division
of the National Court Register under KRS No. 0000848733,
Bank name: PEKAO SA Warsaw 84 1240 6074 1111 0000 4989 1458, SWIFT Code: PKOPPLPW

- **PN-EN 61340-5-1:2009 in 5.3.4, with regard to rooms in which activities such as: manufacture, assembly and operation of electronic devices and devices sensitive to damage caused by electrostatic discharge.**

The tiles of a given type also meet the condition of electric shock protection for personnel operating low voltage electrical devices - up to 250 V (PN-E-5204:1994 in 3.3.2 k / and PN-EN 61340-5-1:2009 in 5.3)

The above assessment is based on the leakage resistance (R_u) meet the classification condition according to PN-E-61340-5-1:2009:

$$5 \cdot 10^4 \Omega \leq R_u (R_{gp}) \leq 1 \cdot 10^9 \Omega.$$

Decision issued on 23 February 2016
Valid until 28 February 2021

KIEROWNIK ZESPOŁU
Badań Elektryczności Statycznej
*mgr inż. Małgorzata
Wróblewska - Piarkowska*

Zastępca Dyrektora
ds. Badań
dr inż. Maciej Śliwakowski

CC:

1 – addressee;
2 – BCE file

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