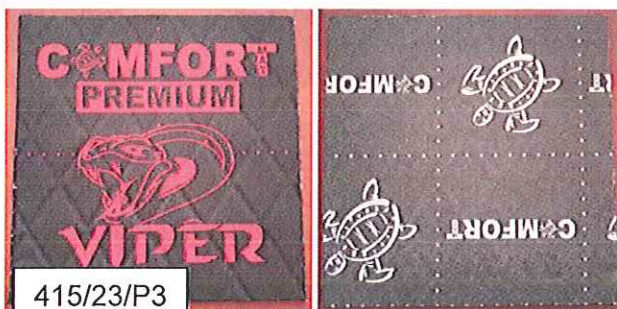
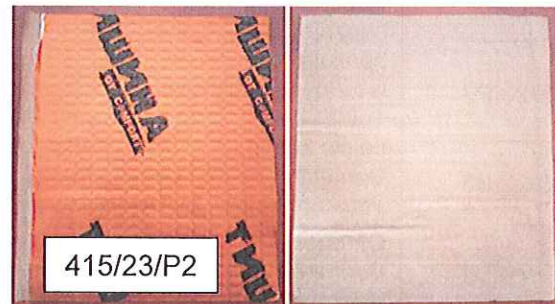
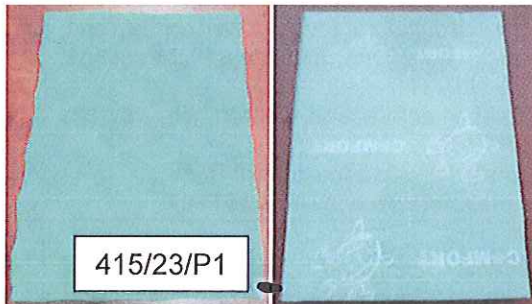


TEST REPORT No. 415/DLS/2023

Testing material samples of sound deadening mats, delivered for testing by
PIIRSTOCK OÜ, in the scope of polycyclic aromatic hydrocarbons (PAHs) content

Orderer: PIIRSTOCK OÜ
Nelgi tee 23
74001 Viimsi, EstoniaProject UP/DLS-31833/OR1
No.:

| Name of tested object: | Material samples of sound deadening mats |
|--|---|
| Orderer markings: | COMFORT MAT SOFT WAVE EXPERT 15 COMFORT MAT BRONZE 2 mm COMFORT MAT VIPER 3 mm |
| Sample number, according to the R-DLS/7: | 415/23/P1 - Material sample of sound deadening mat - COMFORT MAT SOFT WAVE EXPERT 15 415/23/P2 - Material sample of sound deadening mat - COMFORT MAT BRONZE 2 mm 415/23/P3 - Material sample of sound deadening mat - COMFORT MAT VIPER 3 mm |



Date of delivery of the object for testing: 13.12.2023

Date of beginning / completion of tests: 14.12.2023 / 22.12.2023

Place of testing: Laboratory of Material Engineering and Environment

| Sample number | Confirmation of conformity/non-conformity of the test results with the requirements | |
|---|--|---|
| Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in awarding the GS mark - Specification pursuant to article 21(1) no. 3 of the Product Safety Act (ProdSG) – AfPS GS 2019:01 PAK, Federal Institute for Occupational Safety and Health | | |
| 415/23/P1 | Category 2a Content of each of the following PAHs: chrysene, benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[j]fluoranthene, benzo[a]pyrene, benzo[e]pyrene, indeno[1,2,3-c,d]pyrene, benzo[g,h,i]perylene, dibenzo[a,h]anthracene, is below 0.2 mg/kg of the material with admixture of PAH Total content of the following PAHs: phenanthrene, anthracene, fluoranthene, pyrene below 5 mg/kg of the material with admixture of PAH | + |
| 415/23/P2 | | + |
| 415/23/P3 | | + |
| 415/23/P1 | Category 2b Content of each of the following PAHs: chrysene, benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[j]fluoranthene, benzo[a]pyrene, benzo[e]pyrene, indeno[1,2,3-c,d]pyrene, benzo[g,h,i]perylene, dibenzo[a,h]anthracene below 0.5 mg/kg of the material with admixture of PAH Total content of the following PAHs: phenanthrene, anthracene, fluoranthene, pyrene below 10 mg/kg of the material with admixture of PAH | + |
| 415/23/P2 | | + |
| 415/23/P3 | | + |
| 415/23/P1 | Category 3a Content of each of the following PAHs: chrysene, benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[j]fluoranthene, benzo[a]pyrene, benzo[e]pyrene, indeno[1,2,3-c,d]pyrene, benzo[g,h,i]perylene, dibenzo[a,h]anthracene, is below 0.5 mg/kg of the material with admixture of PAH Total content of the following PAHs: phenanthrene, anthracene, fluoranthene, pyrene below 20 mg/kg of the material with admixture of PAH | + |
| 415/23/P2 | | + |
| 415/23/P3 | | + |
| 415/23/P1 | Category 3b Content of each of the following PAHs: chrysene, benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[j]fluoranthene, benzo[a]pyrene, benzo[e]pyrene, indeno[1,2,3-c,d]pyrene, benzo[g,h,i]perylene, dibenzo[a,h]anthracene, is below 1 mg/kg of the material with admixture of PAH Total content of the following PAHs: phenanthrene, anthracene, fluoranthene, pyrene below 50 mg/kg of the material with admixture of PAH | + |
| 415/23/P2 | | + |
| 415/23/P3 | | + |
| European Parliament and Council (EC) Regulation No. 1907/2006 for registration, assessment and authorization of chemicals (REACH) (OJ L 396, 30.12.2006, p. 1-794 with further amendments) | | |
| 415/23/P1 | entry 50 paragraph 5 Content of each of the following PAHs: benzo[a]pyrene, benzo[e]pyrene, benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, dibenzo[a,h]anthracene ≤ 1 mg/kg in relation to the weight of material with admixture of PAH | + |
| 415/23/P2 | | + |
| 415/23/P3 | | + |
| 415/23/P1 | entry 50 paragraph 6 Content of each of the following PAHs: benzo[a]pyrene, benzo[e]pyrene, benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, dibenzo[a,h]anthracene ≤ 0,5 mg/kg in relation to the weight of material with admixture of PAH | + |
| 415/23/P2 | | + |
| 415/23/P3 | | + |
| 415/23/P1 | entry 50 paragraph 9 and paragraph 10 Total content of the following PAHs: benzo[a]pyrene, benzo[e]pyrene, benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, dibenzo[a,h]anthracene ≤ 20 mg/kg in relation to the weight of material with admixture of PAH | + |
| 415/23/P2 | | + |
| 415/23/P3 | | + |

symbol: "+" – sample meets the requirements, "-" – sample does not meet the requirements

NOTE: Statement of test results conformity with the requirements is based on a confidence level of 95% for the expanded uncertainty of measurement results on which the decision of conformity is based.

Leader of testing team:

Hanna Musiolik, M.Sc.

/name/

Hanna Musiolik

/signature/

Authorized by:

Monika Gawlik-Jędrzyiak, Ph.D. Eng.

/name/

Monika Gawlik-Jędrzyiak

/signature/

Approved by

Kierownik Laboratorium
Inżynierii Materiałowej i Środowiska

Gliwice, 22.12.2023

002 Anna Trynkiewicz-Bylina

/signature and stamp/

TEST REPORT INCLUDES ONLY THE RESULTS RELATED TO THE TESTED OBJECT DELIVERED BY THE ORDERER.
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Description of the samples

Material samples of sound deadening mats: COMFORT MAT SOFT WAVE EXPERT 15, COMFORT MAT BRONZE 2 mm, COMFORT MAT VIPER 3 mm.
The samples were taken and delivered for testing by the Orderer PIIRSTOCK OÜ, Estonia.

Scope and methods of testing

| Item | Tested parameters | Testing method | Testing procedure and standard |
|------|---|--|--------------------------------|
| 1. | Polycyclic aromatic hydrocarbons (PAHs) content | Gas chromatography method with tandem mass spectrometry (GC-MS/MS) | PB-DLS/38, 8th edition; 2021 |

Test Results

| Item | Sample number | Content of PAHs [mg/kg] | |
|------------------------|---------------|-------------------------|---------|
| | | PAH Name | Content |
| 1. | 415/23/P1 | benzo[a]pyrene | U |
| | | < 0.1 | - |
| | | benzo[e]pyrene | U |
| | | < 0.1 | - |
| | | benzo[a]anthracene | U |
| | | < 0.1 | - |
| | | chrysene | U |
| | | < 0.1 | - |
| | | benzo[b]fluoranthene | U |
| | | < 0.1 | - |
| | | benzo[j]fluoranthene | U |
| | | < 0.1 | - |
| | | benzo[k]fluoranthene | U |
| | | < 0.1 | - |
| | | dibenzo[a,h]anthracene | U |
| | | < 0.1 | - |
| | | benzo[g,h,i]perylene | U |
| | | < 0.1 | - |
| | | indeno(1,2,3-cd)pyrene | U |
| | | < 0.1 | - |
| 2. | 415/23/P2 | phenantrene | U |
| | | < 0.1 | - |
| | | pyrene | U |
| | | < 0.1 | - |
| | | anthracene | U |
| | | < 0.1 | - |
| | | fluoranthene | U |
| | | < 0.1 | - |
| | | naphthalene | U |
| | | < 0.1 | - |
| | | benzo[a]pyrene | U |
| | | < 0.1 | - |
| benzo[e]pyrene | U | | |
| < 0.1 | - | | |
| benzo[a]anthracene | U | | |
| < 0.1 | - | | |
| chrysene | U | | |
| < 0.1 | - | | |
| benzo[b]fluoranthene | U | | |
| < 0.1 | - | | |
| benzo[j]fluoranthene | U | | |
| < 0.1 | - | | |
| benzo[k]fluoranthene | U | | |
| < 0.1 | - | | |
| dibenzo[a,h]anthracene | U | | |
| < 0.1 | - | | |

| Item | Sample number | Content of PAHs [mg/kg] | |
|--------------|---------------|-------------------------|---|
| 2. | 415/23/P2 | benzo[g,h,i]perylene | U |
| | | < 0.1 | - |
| | | indeno(1,2,3-cd)pyrene | U |
| | | < 0.1 | - |
| | | phenantrene | U |
| | | < 0.1 | - |
| | | pyrene | U |
| | | < 0.1 | - |
| | | anthracene | U |
| | | < 0.1 | - |
| | | fluoranthene | U |
| | | < 0.1 | - |
| | | naphthalene | U |
| | | < 0.1 | - |
| 3. | 415/23/P3 | benzo[a]pyrene | U |
| | | < 0.1 | - |
| | | benzo[e]pyrene | U |
| | | < 0.1 | - |
| | | benzo[a]anthracene | U |
| | | < 0.1 | - |
| | | chrysene | U |
| | | < 0.1 | - |
| | | benzo[b]fluoranthene | U |
| | | < 0.1 | - |
| | | benzo[j]fluoranthene | U |
| | | < 0.1 | - |
| | | benzo[k]fluoranthene | U |
| | | < 0.1 | - |
| | | dibenzo[a,h]anthracene | U |
| | | < 0.1 | - |
| | | benzo[g,h,i]perylene | U |
| | | < 0.1 | - |
| | | indeno(1,2,3-cd)pyrene | U |
| | | < 0.1 | - |
| | | phenantrene | U |
| | | < 0.1 | - |
| | | pyrene | U |
| | | < 0.1 | - |
| anthracene | U | | |
| < 0.1 | - | | |
| fluoranthene | U | | |
| < 0.1 | - | | |
| naphthalene | U | | |
| < 0.1 | - | | |

symbol:

"-" in uncertainty "U" column – there is no uncertainty value as the test result is below/above bottom/upper limit of the measuring range

Note: measurements uncertainty U is an expanded uncertainty at confidence level 95% and coverage factor k = 2, according to the PO-DLS/07 general procedure.

The results and their uncertainty refer only to the tested sample and not to the product batch/substance/material the sample was taken from.

Rules for taking decisions on compliance/ not compliance with the requirements

According to ISO/IEC Guide 98-4:2012 "Uncertainty of measurement. Part 4: Role of measurement uncertainty in conformity assessment" and ILAC-G8:09/2019 guidelines.: "Guidelines on Decision Rules and Statements of Conformity":

- COMPLIANCE WITH THE REQUIREMENTS** is stated when the measurement result/test result plus/minus expanded uncertainty at confidence level 95% and coverage factor k = 2, is within the acceptance interval defined in regulations / standards by the accepted value/values. Risk of wrong acceptance is below 2.5%.
- NON-COMPLIANCE WITH THE REQUIREMENTS** is stated when the measurement result/test result plus/minus expanded uncertainty at confidence level 95% and coverage factor k = 2, is within the acceptance interval defined in regulations / standards by the accepted value/values. Risk of wrong rejection is below 2.5%.

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-END OF THE REPORT-

