



MIKROBIOLOGIA GIG dr Danuta Kwiatkowska

Plac Gwarków 1, 40-166 Katowice, tel./fax (032)2592483, kom. 601300870, email: biuro@mikrobiologia.pl www.mikrobiologia.pl
Rachunek bankowy: PKO BP I O/Katowice nr 77 1020 2313 0000 3702 0115 8476 Regon 278206565 NIP 954-108-69-86

Katowice 27.08.2008

Copy No 2

Research – service work documentation

Order: **Zakłady Tworzyw Sztucznych**
GAMRAT Spółka Akcyjna
ul. Mickiewicza 108
38 – 200 Jasło

Title of the documentation::

Testing the microbiological resistance of floor covering Rekord 42

Order No: JA/113 dated: 10.07.2008

Work No from the Register: 93/DK/08

Date of starting the work: 11.07.2008

Date of completing the work: 27.08.2008

KIEROWNIK LABORATORIUM


dr Danuta Kwiatkowska

Mikrobiologia GIG
dr Danuta Kwiatkowska
40-166 Katowice, Pl. Gwarków 1
NIP: 954-108-69-86, Regon: 278206565

Documentation received: Order: copy No 1 and copy No 2
Contractor: copy No 3

1. Object of the tests

Samples of the floor covering Rekord 42 with the thickness of 2.0 mm belonging to the floor coverings of the Rekord Group type in the utilization classes 21-43, designated by the number 93/2, tested in subsequent repetitions.

2. Remarks regarding the samples

The samples of the floor covering were supplied for tests by the Employer on 11.07.2008.

3. The scope of tests

Carrying out the tests of the resistance of the floor covering to bacteria *Pseudomonas aeruginosa*.

4. Test methods applied

The tests were carried out according to Standard PN-EN ISO 846. The surface-disinfected samples were placed in the substrate inoculated with the properly prepared bacteria suspension and incubated at temperature of $29^{\circ}\text{C} \pm 1^{\circ}\text{C}$. After 28 days of incubation, the samples exposed to the bacteria and reference samples – tested in sterile conditions, were evaluated visually. The growth of the bacteria on the surface of the samples and in the substrate was evaluated visually. The growth of the bacteria meant that the material was susceptible to bacteria, no growth proved microbiological resistance.

5. Test results

The results of testing the resistance of the samples to bacteria are presented in Table 1. The lack of the growth of *Pseudomonas aeruginosa* in the mineral substrate, where the only source of carbon was the material tested proves that floor covering Rekord 42, did not make the source of nourishment and it was not decomposed by the test bacteria.

TEST RESULTS

Table 1

Evaluation of floor covering Rekord 42 to *Pseudomonas aeruginosa*

Type of coating	Sample No	Evaluation of the growth of <i>Pseudomonas aeruginosa</i>
PVC elastic floor covering Rekord 42	93/2/1	No growth
	93/2/2	No growth
	93/2/3	No growth
	93/2/4	No growth
	93/2/5	No growth

Final evaluation

It has been ascertained on the basis of microbiological tests on the example of the floor covering Rekord 42 that the floor coverings of the Rekord Group type in the utilization classes 21-43 resist the activity of the *Pseudomonas aeruginosa* bacteria.