

Resilient Quality Control
Kalush Ukraine, 24.03.2017

TEST CERTIFICATE № 051

Test is conducted according to EN 423 : 2002 (Resilient Floor Coverings - Determination Of The Effect Of Stains)

The following results specifically relate to the behavior of the specimen(s) tested under the particular conditions of test. They are neither intended to be the sole criterion for assessing the product performance nor guarantee to represent the performance of production materials.

Sample Description:

Heterogeneous PVC according to EN 14904 "Surfaces for sports areas – Indoor surfaces for multi-sports use" - Omnisports V35, Omnisports V50, Omnisports V65, Omnisports V83, Omnisports V100, Omnisports V120,

Size Of Specimen(s): 300 x 300 mm

Test Objective:

Determine the reaction of a resilient floor covering to those chemical substances it is likely to experience in service.

Test Conditioning:

No requirement

Test Procedure:

Pour the liquid to the sample center until a stain of 300mm² - 400mm² is produced. Or, spread 1000mm³ paste substances with a spatula over an area of 300mm² -400mm². After keeping the substances for 2 hours, remove the stain and clean the sample. Then, examine the residual staining from a distance of ~800mm at an angle of ~45 from all directions. If a stain is visible, clean it by a mild abrasive material or a cleaning product recommended by the manufacturer, and reexamine as mentioned before.

Test Result(s):

Please refer detail results listed in supplementary table.

Summary:

Resistant to major chemicals.

EXPLANATION

List of cleaning products: first column in the board.

METHOD

1. Dry cleaning (white cloth, mop-up, scrub).
2. Water + detergent + rinse with water.
3. F. essential oil Φ
4. Denaturated 90 ° alcohol (for domestic use).
5. Trichloroethylene.
6. Acetone.

Translation of the results: second column in the board

INDEX: state of the samples after cleaning (Cleaning takes place after 2 hours)

- | | |
|---------|-----------------------|
| 0 | imperceptible |
| 0.5 – 1 | hardly imperceptible |
| 1.5-2 | slightly perceptible |
| 2.5-3 | perceptible |
| 3.5 - 4 | very much perceptible |

Stains Identity /	Method	Results
1		2
1% iodine alcohol	5	3
Boric acid 10%	1	0
Concentrated acid for haemodialysis/	1	0
Ethanol	1	0
Glycerin	1	0
Tea	1	0
Coffee	1	0
Citric acid	1	0
Hydrochloric acid concentrated	1	0
Methylene blue	2	0
Nitric acid 50%	1	0
Nitric acid concentrated	2	2
Peroxide of hydrogen	1	0
Sulfuric acid 50%	1	0
Sulfuric acid concentrated	2	1
Tincture of iodine	4	3
Toluene	1	0

*** Satisfactory tests of the durability of the PVC surface when exposed to chemicals on the surface no more than 2 hours..**

Kalush 28/04/17

S. Vynnychuk _____

Chief of Quality Department
 General Service of NPD, R&D, QA

Kalush 28/04/17

Liliya Yaremchuk _____

NPD, R&D, QA Director
 Research & Innovation