

## TEST REPORT

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**Subject: Determination of staining and resistance to chemicals according to ISO 26987:2008**

Product information: Sphera  
 Type: Homogeneous vinyl  
 Sample ID: Sphera element light neutral grey

Samples of production runs have been taken by the Quality Department of Forbo Novilon B.V. All test have been performed in a controlled environment (Temperature 23°C + 50% humidity)

Interpretations and classification of results:

Index	Effect of test after cleaning/abrasion
0	Not affected
1	Slight
2	Moderate
3	Severe

Test results:

Stain product	Result after 2hrs
<b>Chemical products</b>	
2-propanol	0
Acetic acid	1
Acetone	1
Ammonia 25%	0
Bleach	0
Citric acid	0
Dichloromethane	1
Dimethyl sulfoxide	1
Ether	0
Ethylacetate	1
Formic acid	0
Hydrochloric acid 10%	0
Hydrochloric acid 20%	0
Hydrochloric acid 30%	1
Methyl ethyl ketone (MEK)	1
Nitric acid 10%	0
Perchloric acid 69%-72%	1
Picrin acid	0
Silver nitrate	0
Sodium hydroxide 1%	0
Sodium hypochlorite 13 %	0
Sulphuric acid 96%	3
Tetrahydrofurane (THF)	2
Toluene	1
Trichlorethene	1
Trifluoroacetic acid	1
White spirit	0
Xylene	0

<b>Hospital</b>	
Betadine	0
Chloroform	1
Eosin (1% Eosine-solution in Ethanol 96% (v/v))	3
Ethanol 96%	0
Formaldehyde solution 37%	0
Glycerine 87%	0
Grams Crystal Violet Solution	0
Hematoxylin solution - Delafield	0
Hematoxylin solution A - Weigert	3
Hematoxylin solution B - Weigert	0
Hydrogen peroxide 28%	0
Iodine solution	3
Isoamyl alcohol	0
Lugol solution	2
Phosphoric acid	0
Schiff's reagent	0
Trypan Blue 0,4%	0
<b>Food</b>	
Coffee	0
Red Wine	0
Sambal	0
Tea	0
<b>Cosmetic</b>	
After shave	0
Hair dye	2
Hand disinfectant	0
Lipstick	0
Nail polish	1
<b>Writing</b>	
Ink	0
Hobby glue	0
<b>Miscellaneous</b>	
Lubricating oil	0
Paraffin	0
Shoe polish	0
Washing-up liquid	0
Yellow dye	1

Conclusion:

General behavior of the flooring against staining and chemical resistance is very good.

Author:

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