

TEST REPORT

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Revision: 1
 Date received: 24/07/20
 Date of test: 17/08/20
 Date of issue: 24/08/20

MERINO INDUSTRIES LIMITED
 70, KLJ COMPLEX, 2ND FLOOR
 110015 MOTI NAGAR, NEW DELHI
 IN - INDIA

Sample name: Chemical Resistant CHEM+ Laminate - Sample size - 1mm

Chemical Spot Test SEFA

METHOD A - Test results:

Test no.	Chemical Reagent	Contact time	Rating
1	Acetate, Amyl	24 h	0
2	Acetate, Ethyl	24 h	0
4	Acetone	24 h	0
6	Alcohol, Butyl	24 h	0
7	Alcohol, Ethyl	24 h	0
8	Alcohol, Methyl	24 h	0
10	Benzene	24 h	0
11	Carbon Tetrachloride	24 h	0
12	Chloroform	24 h	0
14	Cresol	24 h	0
15	Dichloroacetic Acid	24 h	0
16	Dimethylformamide	24 h	0
17	Dioxane	24 h	0
18	Ethyl Ether	24 h	0
19	Formaldehyde, 37%	24 h	0
21	Furfural	24 h	0
22	Gasoline	24 h	0
27	Methyl Ethyl Ketone	24 h	0
28	Methylene Chloride	24 h	0
29	Monochlorobenzene	24 h	0
30	Naphthalene	24 h	0
34	Phenol, 90%	24 h	0
46	Toluene	24 h	0
47	Trichloroethylene	24 h	0
48	Xylene	24 h	0

Ratings:

- 0 = Level 0, no detectable changes.
- 1 = Level 1, slight change in color or gloss.
- 2 = Level 2, clearly discernible change in color or gloss
- 3 = Level 3, Objectionable change in appearance due to discolouration or etch.

Notes:

- Staining agents and contact times were as required by SEFA 3-2010.
 Pass with no more than four (4) Level 3 conditions for all 49 reagents (A + B).
- Chemical analysis of the tested material has not been carried out.
- Conditioning period: from 24/07/20 to 17/08/20.

This document replaces the previous one with revision number 0 and with date of issue 21/08/20. Applied changes: company name on customer request.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.


 Managing Director
 Dr. Andrea Giavon

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

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Chemical Resistant CHEM+ Laminate - Sample size - 1mm

METHOD B - Test results:

Test no.	Chemical Reagent	Contact time	Rating
3	Acetic Acid, 98%	24 h	0
5	Acid Dichromate, 5%	24 h	2
9	Ammonium Hydroxide, 28%	24 h	0
13	Chromic Acid, 60%	24 h	2
20	Formic Acid, 90%	24 h	0
23	Hydrochloric Acid, 37%	24 h	0
24	Hydrofluoric Acid, 48%	24 h	2
25	Hydrogen Peroxide, 30%	24 h	0
26	Iodine, Tincture of	24 h	1
31	Nitric Acid, 20%	24 h	0
32	Nitric Acid, 30%	24 h	0
33	Nitric Acid, 70%	24 h	2
35	Phosphoric Acid, 85%	24 h	0
36	Silver Nitrate, Saturated	24 h	0
37	Sodium Hydroxide, 10%	24 h	0
38	Sodium Hydroxide, 20%	24 h	0
39	Sodium Hydroxide, 40%	24 h	0
40	Sodium Hydroxide Flake	24 h	0
41	Sodium Sulfide Saturated	24 h	0
42	Sulfuric Acid, 33%	24 h	0
43	Sulfuric Acid, 77%	24 h	0
44	Sulfuric Acid 96%	24 h	2
45	Sulfuric Acid, 77% and Nitric Acid, 70% equal parts	24 h	1
49	Zinc Chloride, Saturated	24 h	0

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