



COMMERCIAL TESTING COMPANY

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Report Number 17-12078.8

DELIUS GmbH
Bielefeld, Germany

Test Number 4782-7839-1217R
April 1, 2016

Blocking Resistance

Test Method: The material was tested in accordance with Federal Specification CCC-W-408D, *Wall Covering, Vinyl-Coated*, which covers the classification of wall covering according to its serviceability in use. The test is conducted in accordance with Federal Test Method Standard 191, Method 5872, *Temperature, High: Effect on Cloth Blocking*. The specimen is folded face to face, then back to back and placed between two glass plates. A four pound weight is placed on top of the assembly to insure even pressure then placed in a circulating air oven for 30 minutes at 180°F. After 30 minutes, the specimens are removed, allowed to cool for 5 minutes, and examined for evidence of adhering or peeling of the coating. Resistance to blocking is evaluated by the following scale: 1 = No Blocking (surfaces are free); 2 = No Blocking (adhered slightly); 3 = Slight Blocking (must be lightly peeled to separate); and 4 = Blocking (surfaces separate with difficulty).

Material Tested: The client submitted a sample of vinyl wall covering identified as **20 oz. Printed and Embossed Type II Osnaburg Backed Commercial Vinyl Wallcovering (YM)**.

Test Data:

Blocking Resistance — 2

Test Result: The material tested, **20 oz. Printed and Embossed Type II Osnaburg Backed Commercial Vinyl Wallcovering (YM)**, meets Type II requirements for blocking resistance of Federal Specification CCC-W-408D. Overall classification can not be based on a single performance property.

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(Authorized Signature)

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced standard, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.