



COMMERCIAL TESTING COMPANY

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Report Number 17-12078.3

DELIUS GmbH
Bielefeld, Germany

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

Scrubbability

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. A sample from an area with as many different printed colors as possible, as well as the ground, is tested in a Gardner scrubbability machine equipped with a WG-2000NMA nylon bristle brush saturated with the specified detergent solution. At the end of the requisite number of cycles, the machine is stopped, the specimen removed, and rinsed under running water. After drying, the specimen shall show no evidence of appreciable damage to the printed or ground surface. Areas of localized wear clearly related to wrinkles is ignored.

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: The client requested the sample be exposed to 300 cycles, the requisite number for a Type II classification.

Test Result: The material tested, **20 oz. Printed and Embossed Type II Osnaburg Backed Commercial Vinyl Wallcovering (YM)**, meets Type II requirements for scrubbability 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.