



COMMERCIAL TESTING COMPANY

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Report Number 17-12078.6

DELIUS GmbH
Bielefeld, Germany

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

Colorfastness to Crocking

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. Resistance to dry crocking was determined in accordance with Federal Test Method Standard 191 Method 5651, using the crockmeter method. Crocking refers to the transfer of matter from the wallcovering to the standard white cotton crockmeter cloth. The colorfastness rating is determined using the following evaluation where Excellent = no perceptible staining, Good = slight staining, Fair = appreciable but not objectionable staining, and poor = objectionable staining.

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:

Dry Crocking — Excellent

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