



COMMERCIAL TESTING COMPANY

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Report Number 17-12078.9

DELIUS GmbH
Bielefeld, Germany

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

Coating Adhesion

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 was conducted in accordance with ASTM Test Method D 751, Section 50, *Adhesion of Coating to Fabric*. The test was conducted using an Instron CRE type tensile tester operated at an extension rate of 12 inches per minute.

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:

Coating Adhesion, Machine Direction — 4.5 pounds per inch
Coating Adhesion, Cross Machine — 3.2 pounds per inch

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