

**PHYSICAL PROPERTIES:**

52"/54" (132/137 CM) Vinyl Wallcovering, Type II  
 Total Weight: 21 oz./lin.yard (619 G/PLM)  
 13.3 oz./sq.yard (451 G/PSM)  
 Backing: Osnaburg  
 Tensile Break Strength: 108 x 107 (Avg)  
 Tear Strength: 80 x 80 (Avg)

All patterns are stocked in 30 linear yard bolts and must be ordered in 15 yard increments.

**FEDERAL SPECIFICATIONS:**

TONGA™ as manufactured by DeNovo Wall meets or exceeds G.S.A. Federal Specification CCC-W-408A through D for Type II materials using test procedures detailed in Federal Specifications CCC-T-191-B. This product has been accepted for use by the City of New York Department of Building under MEA-381-93M. This wallcovering passes The National Fire Protection Association NFPA286 Corner Burn Test.

**FIRE HAZARD CLASSIFICATION RESULTS:**

Class "A" fire rating when tested in accordance with ASTM E-84 TUNNEL TEST applied to one-half inch gypsum board. Flame Spread: 5 Smoke Developed: 15  
 Pass rating when tested in accordance with NFPA 286 CORNER BURN TEST

**PERFORMANCE FEATURES:**

Printed exclusively with water-based, low VOC inks.  
 Roller applied, water-based, low VOC top finish for improved stain resistance.  
 BIO-PRUF® treated to inhibit the growth of mold and mildew.  
 Free of heavy metals, including cadmium and mercury, as well as ozone-depleting chemicals (ODC's).  
 Advanced Warning Effect (ionization type smoke detector).  
 TEDLAR® film laminate protection is available on a custom order basis.  
 MICROVENTING is available on a custom order basis.  
 Five year warranty against materials defects. Consult your distributor for details.

**PERMEABILITY, MOISTURE AND MOLD:**

Vinyl wallcovering can act as a vapor barrier and consequently should NOT be installed on walls that are susceptible to excessive condensation or moisture infiltration. To reduce the risk of fungal growth, DeNovo recommends that all wallcovering(s) be microvented when installed in Humid and Fringe Zone 1 climates. (ref: ASHRAE Handbook of Fundamentals, Chapter 21, Figure 16)

This microventing process alters the solid film face to make our wallcovering permeable thus allowing the condensation "trapped" within the wall cavity to diffuse (as water vapor) through the wall where it can be dehumidified by the HVAC system.

The use of a permeable wallcovering is not a guarantee against fungal growth, but rather a precautionary measure. In no way should this optional process be construed as a remedy for poor building envelope design, faulty construction, building system failure or improper maintenance practices. All DeNovo wallcoverings can be microvented on a custom order basis. Our microvented wallcoverings have been tested by an independent laboratory in accordance with ASTM E96-00, the Water Vapor Transmission of Materials (Wet Cup Method) resulting in an average rating of 8+ perms. For a comprehensive understanding of mold occurrence and prevention, please visit [www.wallcoverings.org](http://www.wallcoverings.org) or request a copy of "Mold-Cause, Effect and Response" from your distributor.

BIO-PRUF® a registered trademark of the ROHM and HAAS Corp.

TEDLAR® is a registered trademark of the E.I. duPont Company.

**INSTALLATION NOTE**

TONGA™ is a random match / reversible pattern.  
 Similar to a natural grasscloth, it has a subtle panelling effect.