

**Suggested Antron® nylon type 6,6 specification for areas with Moderate traffic and some soiling where there is little exposure to sunlight or environmental contaminants and spills are unlikely - Broadloom**

[ ] indicates an option for use

PART TWO PRODUCTS

2.1 MATERIALS

**2.1.1 Carpet:** Throughout this contract shall be of the same type and manufacture. Carpeting shall be:

**2.1.1.1 Yarn:** 100% Antron® nylon type 6,6 bulk continuous filament (BCF) nylon. Four-hole hollow filament fiber shape for optimum soil release and hiding capability. Fiber shape to have maximum Modification Ratio of 1.5 for soil release and texture retention. Fiber identification per AATCC TM 20. **[No substitutions allowed].**

**2.1.1.2 Static Control:** By permanent means (i.e. antistatic filaments) and without chemical treatment. Static generation below 3.5 kilovolts using AATCC TM 134 [Electrostatic Propensity (Step)].

**2.1.1.3 Construction:** Tufted or woven, loop pile, cut loop pile, tip-sheared loop pile or cut pile.

**2.1.1.4 Dye Method:** 100% Solution dyed (Antron® Lumena DNA™ fiber), 100% Yarn dyed or combinations of both (Antron® Legacy™ fiber), as long as all requirements in this document are met.

**2.1.1.5 Pile Weight:** Minimum 14 oz./yd<sup>2</sup>, ASTM D5848 test method.

**2.1.1.6 Primary Backing:** Tufted - 100% woven or non-woven synthetic.

**2.1.1.7 Secondary Backing:** latex/(woven or non-woven synthetic) or equivalent

**2.1.1.8 Resistance to Delamination:** ASTM D3936 test method: minimum 3.5 lbs./inch, no delamination.

**2.1.1.9 Tuft Bind:** ASTM D1335 test method. Must resist a minimum of 10 lbs.-force, loop pile only.

**2.1.1.10 Flammability:**

**Critical Radiant Flux:** ASTM E648 test method, >0.45 watts/cm<sup>2</sup> and/or federal, state or local requirements. Class 1.

**Smoke Density:** ASTM E662 test method, rating to be less than 450 Dm in flaming mode (or to State Code).

**Federal Flammability standard:** CPSC FF1-70 (Methenamine Pill test, ASTM D2859 test method). Must pass.

**2.1.1.11 Colorfastness to Light:** SDN only: AATCC TM 16 part 3 to 200 AFU; minimum rating of 3-4 using AATCC Gray Scale for Color Change.

**2.1.1.12 Colorfastness to atmospheric contaminants:** SDN only: AATCC TM 164 (fade resistance to oxides of nitrogen) and AATCC TM 129 (fade resistance to ozone) for 2 cycles; minimum rating of 3 using AATCC Gray Scale for Color Change.

**2.1.1.13 Colorfastness to crocking:** AATCC 165, minimum rating of 4 on AATCC Chromatic Transference Scale both wet and dry.

**Suggested Antron® nylon type 6,6 specification for areas with Moderate traffic and some soiling where there is little exposure to sunlight or environmental contaminants and spills are unlikely - Broadloom**

[ ] indicates an option for use

**2.1.1.14 Stain Resistance:** AATCC TM 175 Stain Resistance test; minimum rating of 8 using AATCC Red 40 Stain Scales.

If SDN, AATCC TM 171 (HWE) for 2 cleanings, followed by AATCC TM 175 Stain Resistance test; minimum rating of 8 using AATCC Red 40 Stain Scale.

**2.1.1.15 Soil Resistance:** Antron® Lumena DNA™ with permanent, built-in soil protection or DuraTech® soil resistance treatment on carpet with Antron® Lumena™ or Antron® Legacy™ fiber.

**2.1.1.16 Coloration:** Minimum 2 color hues.

**2.1.1.17 Texture Retention Rating:** Vettermann Drum test method, ASTM D5417, for 22,000 cycles with a minimum rating of a 2.5 for moderate traffic. Vettermann Drum test method, ASTM D5417, for 5,000 cycles with a minimum rating of a 3.0 for moderate traffic cut or tip shear styles. Rating using the appropriate Commercial Reference Scale for the construction per ASTM D7330 test method. Testing without underpad or brushing.

**2.1.1.18 Recycling:**

Used Carpet: Remove carpet and recycle regardless of manufacturer, fiber type or construction. Reclamation Agency and Carpet Remover shall certify in writing that Used Carpet was removed and recycled. Landfills are not an option.

The specifier reserves the right to choose the appropriate product, based on weighted evaluation.

**General Disclaimer**

While every effort has been made to ensure that the information contained within these specifications is comprehensive and accurate, INVISTA S.a.r.l. will not accept any liability for omissions or errors, and disclaims any and all liability that may be claimed arising out of reliance upon the information presented in these specifications. The user acknowledges that any reliance upon these specifications is at their sole risk and discretion. INVISTA S.a.r.l. has no obligation to correct any error or omission in any portion of these specifications.

INVISTA S.a.r.l. makes no representations concerning suitability or fitness for use of these specifications and expressly disclaims any and all warranties, express or implied, including without limitation warranties of fitness for a particular purpose

© INVISTA 2019. All Rights Reserved. Antron and the Antron family of marks and logos are trademarks of INVISTA.