

Generic high performance specification for carpet of Antron Lumena® solution dyed nylon

Loop pile broadloom

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% first quality, bulk continuous filament (BCF) nylon type 6,6 offering a construction and performance standards testing program by fiber producer. Hollow filament fiber shape for optimum soil hiding capability. Fiber identification to AATCC 20.

2.1.1.2 Static Control: By permanent means (i.e. antistatic filaments) and without chemical treatment, static generation below 3.5 kilovolts. Electrostatic Propensity (Step): AATCC 134.

2.1.1.3 Construction: tufted or woven, level or multi-level loop pile with maximum pile height variation of 1/32 inch

2.1.1.4 Dye Method: 100% Solution dyed

2.1.1.5 Pile Weight: minimum 17 oz/yd², ASTM D5848-07

2.1.1.6 Pile density: minimum 7000 for heavy traffic.
pile density = 36 x pile wt(oz./sq yd)/ pile thickness (inches)
(Pile Thickness: ASTM D6859 or ASTM D7241)

2.1.1.7 Primary Backing: tufted - 100% woven synthetic

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

2.1.1.9 Resistance to Delamination: ASTM D3936 minimum 4.0 lbs/inch

2.1.1.10 Tuft Bind: ASTM D1335-05, minimum of 10 lbs-force

2.1.1.11 Flammability: ASTM 648, >0.45 watts/cm² critical radiant flux and/or federal, state or local requirements. Smoke Density: ASTM E662, rating to be less than 450 Dm in flaming mode(or to State Code). Must meet Federal Flammability standard CPSC FF1-70 (Methenamine Pill test ASTM D2859)

2.1.1.12 Color fastness to Light: AATCC 16 part 3, 200 AFU, AATCC Gray Scale for Color Change rating minimum of 3-4.

2.1.1.13 Color fastness to atmospheric contaminants: AATCC 164 (oxides of nitrogen)and AATCC 129 (ozone) for 2 cycles, AATCC Gray Scale for Color Change rating minimum of 3-4.

2.1.1.14 Color fastness to crocking: AATCC 165, minimum rating of 4 on AATCC Chromatic Transference Scale.

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2.1.1.15 Stain Resistance: AATCC 171 (HWE) for 2 washings to simulate removal of topical treatments by hot water extraction, followed by AATCC 175. Minimum rating of 8 using AATCC Red 40 Stain Scale.

2.1.1.16 Soil Resistance: DuraTech® Soil Resistance treatment

2.1.1.17 Coloration: Minimum 5 color hues. Hue values to be in medium to medium-dark range for optimum soil hiding capability.

2.1.1.18 Appearance Retention: Vettermann Drum Test, ASTM D5417-05 for 22,000 cycles. A minimum rating of 3.0 using CRI-3 Loop Pile Reference Scales. Testing without underpad or brushing.

2.1.1.19 Indoor Air Quality: maximum 0.5 mg/m²hr total VOC emission per ASTM D5116. CRI Green Label Plus certification.

2.1.1.20 Recycling:

New Carpet: Carpet must be eligible for recycling by the supplying mill or fiber producer to an existing operational third party certified recycling center; submit program parameters. Landfills are not an option

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.

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