

# zeitaku

The VS110 Series is the twin sibling of the LA110 Series, sharing the same luxurious feel, advanced performance, and highest levels of quality—all with the added ability to walk through and withstand the regulatory requirements needed for vertical surface applications.

This transformative material brings all the tangible characteristics of natural leather to wall coverings, ceilings, PSUs, headliners, and more. Utilizing the best resin available, it is ultra-durable, with high resistance to humidity, heat and light. Amazing malleability allows Zeitaku to mold seamlessly to custom-sculpted foam, creating three-dimensional textures limited only by imagination.

Sustainability is imperative in our manufacturing processes. Zeitaku has been tested to meet both the stringent quality and performance specifications of the automotive OEMs, as well as the expectations and regulations of the aviation authority—all while remaining environmentally friendly.

With its patented blends of skillfully engineered materials, this product has gone the distance in the automotive sector and validated its durability and performance through and through. It is now ready to take its position on the runway and take flight!

SPECIFICATIONS	TYPICAL VALUES
Width	55.12"
Mass	22oz/LY (485g/m <sup>2</sup> )
Composition	Polycarbonate blend surface with patented Polyester backing
Thickness	.047 in   1.19mm
Wyzenbeek Abrasion ASTM D 4157-4 lbs Tension / 3 lbs Load	Warp 400,000 / fill 400,000
Taber Abrasion ASTM D 3884-H 18 Wheel / 500 g Load	13,000 average
Breaking Strength ASTM D 751 (ASTM D 5035)	Warp 149 lbf / Fill 76 lbf
Slit Tear Resistance ASTM D 2212	Warp 17.6 lbf / Fill 20.3 lbf
Stitch Tear / Seam Breaking Strength ASTM D 4705	Warp 77 lbf / Fill 84 lbf
Corrosive Characteristics QUV Mod. ASTM G 152 - 500 Hours	Pass
Newark Flex-ASTM D 2097-50,000 cycles	Pass
Cold Crack-ASTM D 2136-4 hours @ -30° F	Pass
UVC Exposure Effects on Surfaces Dimer Graduated 10-Year Protocol 62-4c	No color change, no change in sheen, no visible cracks, no change in haptic, no tackiness, no cracks on magnified surface
Colorfastness to light-AATCC 16 Opt. 3	5
Colorfastness to light-ISO-105-B02-3-21k Joules	5
Colorfastness to sunlight-AATCC 16 A	5
Colorfastness to crocking-ASTM D5053 (AATCC 8)	Dry 5 / Wet 5
Colorfastness to water-ASTM D 5552 (AATCC 107)	5
Flammability	Pass-FAR 25.853(a) Appendix F, Part I,(a), I(i) 60sec
Flammability	Pass-FAR 25.853(a) Appendix F, Part I,(a), I(ii) : 12sec
Toxic gas emission (ABD0031)	Pass-AITM 3-0005 Issue 2
Smoke emission (ABD0031)	Pass-14 CFR Part 25 App. F Part V & AITM 2-0007, Issue 3
Heat Release (ABD0031)	Pass-14 CFR Part 25 App. F Part IV(a) thru (h) & AITM 2-0006, Issue 3

TECHNICAL DATA DEC 2020

