association
for contract
textiles

Flammability
ACT Voluntary Performance Guidelines and Test Method Descriptions for Knit Fabrics – Outdoor

ACT Voluntary Performance Guidelines for Flammability and four aspects of fabric durability—Wet & Dry Crocking, Colorfastness to Light, Physical Properties, and Abrasion—make fabric specification easier.

To give architects, designers, and end-users a vast amount of performance information in a succinct visual way, ACT developed icons to indicate that a fabric meets or exceeds guideline requirements. Look for these Registered Certification Marks on ACT Member Company sampling to assure that the fabrics you specify perform up to contract standards and pass all applicable testing.

ACT Guidelines are based on a fabric's construction (woven, coated, knit), its intended application (upholstery, direct glue wallcovering/adhered panels, wrapped panels/upholstered walls, drapery), and where it will be used (indoor, outdoor). The application and usage parameters are set by the fabric supplier. All three parameters determine which set of ACT Voluntary Performance Guidelines applies.

This specific set of guidelines applies to knit fabrics for outdoor use as upholstery. "Knit Fabrics" are made by interlocking loops of one or more yarns.

Test methods included in the Guidelines measure fabric performance under standard laboratory conditions and are intended to represent the most current test version. Note: Individual ACT Member product information may represent a different version of a test method depending on the date the product was introduced to market.

Important: These tests represent minimum requirements, which are subject to change without notice and may not reflect requirements or laws in all locations. See information and disclaimer on page 3.

Flammability — KNIT FABRICS, OUTDOOR USE

The measurement of a fabric's performance when it is exposed to specific sources of ignition.

Note: ACT guidelines specify different flammability tests dictated by the intended end use for the fabric.

ACT GUIDELINES

Upholstery

California Technical Bulletin 117-2013 Section 1 – Pass

TEST METHODS

California Technical Bulletin 117-2013*

California Technical Bulletin 117-2013 Section 1 is a test method of the California Bureau of Electronic and Appliance Repair, Home Furnishings and Thermal Insulation. The test uses small cushions, which are miniatures of the seat and back, to measure the smolder resistance of the materials used in upholstered furniture.

Section 1: Cover Fabric Test

Upholstery cover materials submitted for this section are placed over standard polyurethane foam and tested in triplicate. A lighted cigarette is placed in the crevice formed by the vertical back and horizontal seat cushions. Smoldering resistance is measured by the following criteria:

1. Smoldering cannot exceed 45 minutes of test duration
2. Vertical char length cannot exceed 1.8 inches (45 mm)
3. Mock-up specimen cannot transition into open flame

All three mock-up specimens must meet all three criteria in order for the cover fabric to pass the Section 1 test.

Note: Fabrics that do not pass the Section 1: Cover Fabric Test can be used with a barrier that passes the Section 2: Barrier Materials Test to satisfy the requirements of California TB 117-2013.

*For complete technical details about Cal TB 117-2013:
https://bhgs.dca.ca.gov/about_us/tb117_2013.pdf

For a helpful FAQ document written by the State of California:
https://bhgs.dca.ca.gov/forms_pubs/tb117-2013_faq_0619.pdf

IMPORTANT INFORMATION AND DISCLAIMERS REGARDING ACT'S VOLUNTARY PERFORMANCE GUIDELINES

As noted above, ACT's Voluntary Performance Guidelines ("Guidelines") and associated symbols ("Marks") are for information purposes only and are made available to help assist specifiers and end-users in evaluating certain characteristics of contract textiles.

Neither the Guidelines, nor the Marks constitute any promise, representation or warranty that a product or sample that bears or to which a Mark is referenced will in fact comply with applicable federal, state, or municipal laws, codes, rules and regulations concerning the intended use of such product ("Laws"), nor any assurance, representation or guarantee regarding or relating in any manner to the safety of any product or sample that bears or, to which a Mark is referenced.

Whenever appropriate, specifiers and end users should seek the advice of professionals or other knowledgeable persons to ascertain whether a product will in fact comply with applicable Laws.

Understand that the testing and standards ("Standards") referenced in the Guidelines are developed and promulgated by third parties not associated with ACT, and that these Standards often change or are supplemented by such third parties. Accordingly, the fact that a particular Standard is referenced in the Guidelines (and/or associated with any Mark) does not mean, nor is it intended to be a representation that Standard is the most current one.

It is the responsibility of the contract textile vendor and/or the manufacturer (not ACT) to determine in all instances whether or not a textile meets each of the Standards to which a particular Mark is referenced.

THE ASSOCIATION FOR CONTRACT TEXTILES EXPRESSLY DISCLAIMS LIABILITY TO ANY AND ALL PERSONS AND ENTITIES FOR PERSONAL INJURY, PROPERTY DAMAGE, AND ANY OTHER DAMAGE OF ANY KIND OR NATURE, (WHETHER OR NOT SUCH DAMAGES ARE DIRECT, INDIRECT, CONSEQUENTIAL OR COMPENSATORY) RESULTING FROM, OR IN ANY WAY RELATING TO THE GUIDELINES AND MARKS.

The marks , are Registered Certification Marks at the US Patent and Trademark Office and are owned by the Association for Contract Textiles, Inc.