

## What do you know about Mattress Fire Codes?

*The following information is provided to you by Bourdon's Institutional Sales, Inc.*

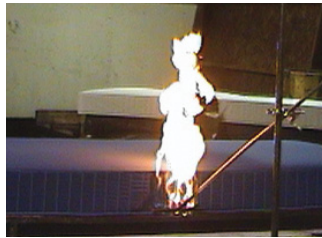
Reading and learning what is involved in the various mattress fire codes will make your job as a purchasing agent or housing supervisor much easier. There are over 1,300 dormitory and Greek housing fires each year, along with untold numbers of off-campus fires. Most facilities require smoke detectors as their first line of defense with sprinkler systems as back-up.

Bourdon's has developed another tool for you in your battle to provide a safer environment for your students. The Life-Safety™ Mattress series is designed to reduce the amount of fuel that is available to feed a fire. Mattresses are controlled and monitored by three fire codes: TB-603, TB-129, and Boston Fire IX-11. Part of your job as purchasing agent or head of facilities includes knowing what codes are required in your municipality.

### **TB-129, California Technical Bulletin #129**

*Flammability Test Procedure for mattresses for use in public buildings*

The mattress is set on a frame and a flame is applied to the side of the mattress for a period of three minutes. The flame is then removed and the mattress is allowed to burn for one hour. Data is collected for heat release, smoke, gases and weight loss. To pass this test the mattress can not lose more than three pounds of weight in the first ten minutes, or have a peak heat release of more than 100Kw or 25Mj.



*TB-129 ignition*



*TB-129 4 minutes into test*



*TB-129 end of test*

We are providing you with an abbreviated outline of each code for your convenience.

Please take time to consider the information provided. We all want to avoid a tragic fire, one that could cause thousand and thousands of dollars of damage, and could possibly take lives. How would you answer the question in a court room, "why didn't you buy a safer mattress"?

Bourdon's Institutional Sales, Inc. has been manufacturing institutional mattresses for eighty-two years. Bourdon's has become the first institutional manufacturer in the United States to earn the coveted Underwriters Laboratories Mattress Classification mark for open flame ignition resistance for their Life Safety series of mattresses. When it comes to Safety, Quality, Availability, and Dependability, remember Bourdon's is working for you!

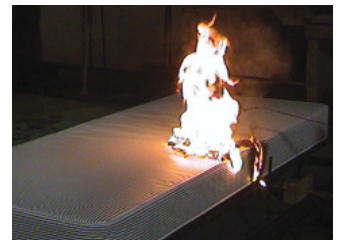
### **Technical Bulletin #603**

*Requirements and test procedure for resistance of a mattress/box spring set to a large open-flame; dated January 2004*

The mattress or the mattress and box spring is set on a frame. An open flame is set to the mattress. In this test the flame is applied simultaneously to two areas; on the top panel the flame is applied for 70 seconds, the border has the flame applied for 50 seconds. After initial ignition the mattress is allowed to burn for thirty minutes. Data is collected for heat release, smoke, and gases. To pass this test the sample can not exceed a heat release greater than 200 Kw during the overall test, or 25 MJ in the first ten minutes.



*TB-603 ignition*



*TB-603 60 seconds into test*



*TB-603 end of test*

# Bourdon's is the first mattress manufacturer that has achieved the Underwriters Laboratories approval for an entire product line.

**FIRE  
CODES**

## **U/L: What does it do and mean to me? Why did Bourdon's choose Underwriters Laboratory?**

Since 1894, Underwriters Laboratories have been setting standards and testing an assortment of products to make our lives safer. Underwriters is recognized as a leader in the world of product and product component testing. Bourdon's chose U/L for their name recognition and undisputed reputation for excellence.

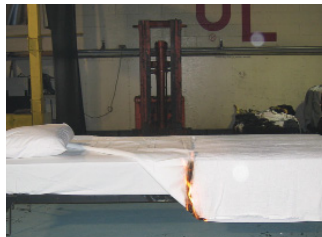
For you, our customer, it means that we have involved an independent third party to monitor our production process and the components we use in making the Life Safety Mattresses. The Life Safety Mattresses you've chosen will meet the high standards set forth by U/L. Because we have taken this unusual step of inviting an impartial thirty party to test our

mattress products, Bourdon's can say that we are the first institutional manufacturer that has achieved the Underwriters Laboratories approval for an entire product line.

Our Life-Safety mattresses will be tagged with the U/L label starting in January 2006. The label will be easily recognized by your clientele and by your local fire marshal as meeting the highest fire safety code in use today. Further, the supplier of our fire barrier components used to make our mattresses compliant with all existing flame resistant standards has gone to U/L and had them certify that their materials can be used as fire barriers in mattresses certified for open flame resistance.

## **BFD IX-11, Boston Fire Department IX-11**

The Boston Fire Department fire test is a full scale test of a mattress or a mattress and box spring complete with a set of specified bedding. The only fuel for the test is the point of ignition. The parameters of the test instruct as to how the bedding is to be made up on the mattress. The bedding is ignited with a BIC style lighter on the bottom of the fold. The test requires that the mattress can lose no more weight than the weight of the bed cloths, and cannot exceed a heat release of more than 25Mj in the first ten minutes or 150Kw maximum. The test requires thirty minutes to perform.



*BFD IX-11 ignition*



*BFD IX-11 2 minutes into test*



*BFD IX-11 9 minutes into test*

## **Bourdon's Life-Safety™**

### **MATTRESS CERTIFIED FOR OPEN FLAME IGNITION RESISTANCE**

IN ACCORDANCE WITH THE  
CALIFORNIA BUREAU OF HOME FURNISHINGS  
AND THERMAL INSULATION STANDARDS

FLAMMABILITY TEST PROCEDURE FOR  
MATTRESSES FOR USE IN  
PUBLIC BUILDINGS TB 129, 1992 AND

REQUIREMENTS AND TEST PROCEDURE FOR  
RESISTANCE OF A RESIDENTIAL  
MATTRESS/BOX SPRING SET TO A LARGE  
OPEN-FLAME TB 603, 2003.

CERTIFIED IN ACCORDANCE WITH  
BOSTON FIRE DEPARTMENT IX-11.



**Underwriters  
Laboratories Inc.®**

## **FYI**

*Please note: TB-133 is for upholstered furniture only.*

To receive a full set of Specifications for either the TB-603 or TB-129 please contact The State of California, Department of Consumer Affairs, Bureau of Home Furnishings and Thermal Insulation, 3485 Orange Grove Avenue, Highlands, CA 95660-5595

To obtain a full set of specifications for BFD-IX-11 please contact the Boston Fire Department, Fire Prevention Division, 115 Southamptton Street, Boston, MA 02118.