

## APPROVALS FOR BIO FIRESHIELD™ PRODUCTS

Below is a list of Model Building Codes requiring the use of firestop products in various types of constructions and occupancies. Most local codes are derived from one or more of these model codes. Bio FireShield™ products and systems meet the through-penetration firestopping requirements of all of these codes.

ICBO . . . . .	International Council of Building Officials; Uniform Building Code: Chapters 17, 42 and 43
SBCCI . . . . .	Southern Building Code Congress International; Standard building Code: Chapters 7, 10 and 11
BOCA . . . . .	Building Official and Code Administrators International; National building Code: Article 9
CABO . . . . .	Council of American Building Officials (coordinating agency between ICBO, SBCCI and BOCA)
NBCC . . . . .	National Building Code of Canada
NFPA 101 . . . . .	National Fire Protection Association Life Safety Code: Chapter 6
ICC . . . . .	International Code Council
IBC . . . . .	International Building Code
IRC . . . . .	International Residential Code
NFPA 5000 . . . . .	NFPA Building Code
NFPA 70 . . . . .	National Electrical Code

Bio FireShield™ has also been approved in various cities, counties and states that have written their own code requirements which may supersede or supplement model building codes.

### City Approvals

Phoenix, Arizona  
Tucson, Arizona  
Los Angeles, California  
San Francisco, California  
Minneapolis, Minnesota  
New York, New York  
Milwaukee, Wisconsin

### County Approvals

Collier, Florida  
Dade, Florida  
Palm Beach, Florida

### State Approvals

New York  
North Carolina  
Wisconsin

### Miscellaneous Approvals

Corp of Engineers  
California State Fire Marshal  
General Services Administration  
Industrial Risk Insurers

Bio FireShield™ Products are UL Classified and conform to the codes and test requirements shown below.

ASTM E 814/ UL 1479 . . . . .	Fire Tests of Through-Penetration Firestops
UL 1479 . . . . .	Fire Tests of Through-Penetration Firestops
NFPA 70 . . . . .	National Fire Protection Association National Electrical Code: Chapters 3, 7 and 8
NFPA 255 . . . . .	Method of Testing of Surface Burning Characteristics of Building Materials
ASTM E 119/ UL 263 . . . . .	Fire Tests of Building Construction and Materials
ASTM E 84 / UL 723 . . . . .	Surface Burning Characteristics of Building Materials
ASTM E 1966 / UL 2079 . . . . .	Tests for Fire Resistance of Building Joints Systems
ASTM E 1399 . . . . .	Cyclic Movement and Measuring the Minimum and Maximum Joint Widths of Architectural Joint Systems (Incorporated into ASTM E 1966)
ULC CAN4-S115M . . . . .	Standard Method of Fire Tests of Firestop Systems
ULC CAN/ULC-S101M . . . . .	Standard Methods of Fire Endurance Tests
B.S. 476 / pr EN 1366.3 . . . . .	European / British Standards
AS 1530.4 . . . . .	Methods for fire tests on building materials, components and structures Part 4: Fire resistance tests of elements of building construction
AS 4072.1 . . . . .	Components for the protection of openings in fire-resistant separating elements Part 1: Service penetrations and control joints

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