

Joseph Lstiburek, Ph.D., P.Eng., ASHRAE Fellow



Joseph Lstiburek is a principal of Building Science Corporation. He is a building scientist who investigates building failures and is internationally recognized as an authority on moisture related building problems and indoor air quality. He is a member of ASTM and the past chairman of ASTM E241 - Increasing the Durability of Building Assemblies from Moisture Induced Damage. He is a contributor and reviewer of Chapters 21 and 22 of ASHRAE Fundamentals. Dr. Lstiburek is an ASHRAE fellow and a voting member of ASHRAE Standard 62 – Ventilation for Acceptable Indoor Air Quality. He is also a voting member of both the ASHRAE Technical Committee 4.3 Ventilation Requirements and Infiltration and ASHRAE Technical Committee 4.4 Building Materials and Building Envelope Performance.

Dr. Lstiburek has appeared on PBS NOVA (“Can buildings make you sick?”) and is the author of numerous books and technical papers on building science, indoor air quality and durability. He is the author of the U.S. DOE Handbook on Moisture Control and a special contributor to the EPA guidance document on Building Air Quality: A Guide for Building Owners and Facility Managers. He is one of the world’s foremost authorities on energy efficient construction techniques and heads one of the four the Building America program teams for the U.S. Department of Energy. He is the developer of ADA (the Air Drywall Approach to air barriers) and a building science researcher affiliated with the Centre for Building Science, University of Toronto. He is a former Director of Research of the Housing and Urban Development Association of Canada.

Dr. Lstiburek has written numerous books and technical papers on building construction. He is the best selling author of the Builder Guides and has over 50 technical and journal articles to his credit. He has conducted forensic investigations and served as an expert witness on building failures all over the U.S. He is an expert in the areas of rain penetration, air barriers, vapor barriers, air quality, durability and construction technology. He specializes in rain damage and mold and microbial contamination of buildings.

Dr. Lstiburek is an acclaimed public speaker and lecturer in building science. His seminars and presentations on building durability issues are attended by hundreds of architects, engineers, builders, and property managers in the United States each year.

Dr. Lstiburek received an undergraduate degree in Mechanical Engineering from the University of Toronto, a masters degree in Civil Engineering from the University of Toronto and a Doctorate in Building Science at the University of Toronto. Dr. Lstiburek has been a licensed Professional Engineer in the Province of Ontario since 1982.

Education

University of Toronto
Toronto, Ontario
Bachelor of Applied Science

University of Toronto
Master of Engineering

University of Toronto
Doctor of Philosophy in Building Science

Professional Registrations and Memberships

Registered Professional Engineer, Province of Ontario
American Society for Testing and Materials (ASTM)
American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Fellow
American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Member
American Lung Association Technical Advisory Committee, Health House
Boston Society of Architects, Building Envelope Committee
Ontario Building Envelope Committee (OBEC)
Energy and Environmental Building Association (EEBA) Past Technical Committee Chairman, Past Board of Directors member
National Institute of Building Sciences (NIBS); Building Thermal Envelope Coordinating Committee (BETEC)



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