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Fire Protection Products
Application Engineering Personnel Qualifications

Engineering Judgements

This document outlines the technical qualifications associated with the design and issuance of Engineering Judgments for 3M Fire Protection Products (FPP) and their use in field evaluated applications for firestopping.

Each individual listed below is qualified by 3M Company to write engineering judgments based on work experience and education backgrounds as well as in-depth fire protection training, life safety training, and hands-on fire testing. In addition, each staff member has gone through an engineering judgment technical authoring program supervised by an experienced 3M application engineering representative and approved by the technical manager. Each person reports into the 3M Company corporate headquarters in St. Paul, MN and is a member of the technical staff.

Isaac Juarez, Product Application Engineering Support

3M Fire Protection Products	Fire Protection Engineering Judgment Specialist	2024 - Present
Fire Protection Engineer	Cobb County Fire Marshal's Office	2015-2024
Jensen Hughes	Engineering Associate	2008 - 2015
B. Sc. Electrical Engineering	University of Nevada, Las Vegas	2014
Member	Society of Fire Protection Engineers- ATL Chapter	2015-2024
Member	National Fire Protection Association (NFPA)	2008-preset
Engineer In Training (0T6398)	State of Nevada	2010-present

Anthony Kilmer, Product Application Engineering Support Lead

Product Application Customer Experience (PACE) - Supporting 3M Fire Protection Products	Product Application Engineering Support (Lead)	2022 to Present
Product Application Customer Experience (PACE) - Supporting 3M Fire Protection Products	Product Application Engineering Support	2021 to 2022
3M Fire Protection Products	Application Engineering	2005-2021
Professional Association for Customer Engagement	Customer Service Certified	2015
B.Sc. Fire Science Management	St. Thomas University Miami Gardens, FL	2010-2012
Advanced 3M Fire Protection Products Training	3M Fire Protection Products	2006

Mark Lund, Application Engineering Manager

3M Fire Protection Products	Application Engineering	2006-Present
Advanced 3M Fire Protection Products Training	3M Fire Protection Products	2006
Chair of the ASTM E 2307 Task Group	Committee E05.11 on Fire Resistance (within Committee E05 - Fire Standards	2010-2018
Secretary	Subcommittee E06.21 on Serviceability (within Committee E06 - Building Performance)	2010-2018
Member	National Fire Protection Association (NFPA)	2006-Present
Member	Society of Fire Protection Engineers-MN Chapter (MN SFPE)	2006-Present
Vice-President	MN-SFPE	2012-2013
Futrell Fire Consult and Design	Fire Protection Engineering	2005-2006
North Star Fire Protection	Fire Sprinkler System Design & Construction Management	2000-2005
Professional Engineering Licenses (M.E., F.P.E.)	State of Minnesota	Valid through June 30, 2026
B.Sc. Mechanical Engineering	Iowa State University Ames, IA	2000
M.Sc. Fire Protection Engineering	Worchester Polytechnic Institute Worcester, MA	2011

Jeanette Matter, Application Engineering

3M Fire Protection Products	Application Engineer	2024 to Present
Quality Lab Analyst	3M Materials Resources Division	2006 to 2024
Quality Lab Analyst	Pace Analytical Labs	2003 to 2006
Quality Lab Analyst	Vogel Custom Manufacturing	2002 to 2003
B.Sc. Physics/Math	Concordia University	1992-1997
Member	ASTM E05	2024 to Present
Member	ASTM E06	2024 to Present
Member	ASTM E33	2024 to Present
Advanced 3M Fire Protection Products Training	3M Fire Protection Products	2024

Brady McAdams, Product Application Engineering Support

Product Application Customer Experience (PACE) - Supporting 3M Fire Protection Products	Product Application Engineering Support	2022 to Present
Advanced 3M Fire Protection Products Training	3M Fire Protection Products	2015
Professional Association for Customer Engagement	Customer Service Certified	2015
Product Application Customer Experience (PACE) - Supporting 3M Fire Protection Products	Product Application Support	2015 to 2020
B.Sc. Business Administration Finance and Economics	University of Wisconsin River Falls, WI	2006-2010

Samantha Peterson, Application Engineering Specialist

3M Fire Protection Products	Application Engineering	2017 - Present
Advanced 3M Fire Protection Products Training	3M Fire Protection Products	2017
ASTM Subcommittee Chair	Subcommittee for ASTM E06.21 on Serviceability (within Committee E06 - Building Performance)	2022 - Present
Task Group Chair	ASTM E06.21 Technical Contact for E3385 Standard Practice for Onsite Inspection of Fire Resistive Duct Systems	2019 - Present
Task Group Chair	ASTM E06.21 Technical Contact for WK70807 Standard Practice for Onsite Inspection of Board and Wrap Type Fireproofing	2019 - Present
ASTM Subcommittee Secretary	Subcommittee Secretary for ASTM E06.21 on Serviceability (within Committee E06 - Building Performance)	2018-2022
ExxonMobil	Building Services Supervisor Safety, Health, Environmental Supervisor	2010 – 2016
B.Sc. Mechanical Engineering	University of Minnesota Twin Cities	2010

Zachary Vaughan, Application Engineering

3M Fire Protection Products	Application Engineering	2025 - Present
Advanced 3M Fire Protection Products Training	3M Fire Protection Products	2025
Assistant Superintendent & Field Engineer	Norhart Construction	2022-2024
B.Sc. Mechanical Engineering	University of St. Thomas St. Paul, MN	2010-2014

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