2017 Firestop Industry Conference & Trade Show
Omni Las Palmas, Palm Springs, CA
FCIA
FIRESTOP INDUSTRY CONFERENCE & TRADE SHOW
NOVEMBER 7-10, 2017
OMNI RANCHO LAS PALMAS
PALM SPRINGS, CA
A Few Details - Tuesday

• Fire Exits
• Mobile Phones to Vibrate
• Weds., Thurs. Fri. – Salons A-E
• Receptions – LasPalmas Lawn, Starlight Terr.
• AntiTrust
• Who is FCIA
• Education – Systems, Materials, Management Systems
FCIA Anti Trust Policy

- **Association Do’s and Don’ts – FCIA Outside Counsel**
  - *DON’T discuss the prices your company will charge customers.*
  - *DON’T discuss discounts, terms and conditions of sale, warrant terms, profits or profit margins, shares of market, bids or the intent to bid, rejection or termination, of customers, sales territories, or markets.*
  - *DON’T discuss administration or disciplinary action by the Association against a particular member, or enforcement of the Association’s Code of Ethics, in the absence of specific legal guidance.*
  - *DON’T propose or discuss any proposal, in the absence of specific legal guidance, that the Association sponsors or engage in any activity which may have the effect of producing an adverse economic impact on some competing companies.*
FCIA Firestop Industry Conference & Trade Show

• Great Speakers – Tues - Friday!
  – Who is FCIA?
  – Jill Norcott, FM Approvals
  – Pam Blanchette, Ruben Sandoval, & Matt Schumann, UL
  – Richard Coffey, Seasons of Life
  – FCIA Ray Usher Golf Tourney (Clubs TOMORROW)
  – Patrick Shaw, Cushman Wakefield, Corey Zussman, Pepper Construction
  – Joe Lstiburek, Building Science, Inc.
  – Ray Acree, OSHA San Bernardino
  – Kevin Dougherty, Construction Industry Speaker
  – Top 10 Questions – Manufacturer Panel
  – Contractor Member Only Session Thursday
  – Bill Koffel, Koffel Associates
  – Andre Larouche, NRC
  – Jonathan Flannery, ASHE
Thanks FCIA FIC Sponsors

PLATINUM

CSW INDUSTRIALS

HILTI

Specified Technologies Inc.

THE FIRESTOP AUTHORITY

GOLD

3M

ROXUL The Better Insulation

SILVER

carboline Coatings - Linings - Fireproofing

EMSEAL

FIRELINE 520 AN INPRO® COMPANY

Construction Specialties

Thermaliber
FCIA Firestop Industry Conference & Trade Show

• Who’s FCIA
• Management Systems Education
• FCIA Firestop Education for Exams
• FM & UL/ULC Firestop Exams
FCIA Firestop Industry Conference & Trade Show

• Who’s FCIA?
FCIA Firestop Industry Conference & Trade Show

• FCIA Education for FM & UL/ULC Firestop Exams
FCIA
FIRESTOP INDUSTRY CONFERENCE & TRADE SHOW
NOVEMBER 7-10, 2017
OMNI RANCHO LAS PALMAS
PALM SPRINGS, CA
FCIA Firestop Industry Conference & Trade Show

Tuesday Reception Sponsor - Gold Members
FCIA Firestop Industry Conference & Trade Show

Pam Blanchette, UL
FCIA Firestop Industry Conference & Trade Show

Ruben Sandoval, Jr., UL
FCIA Firestop Industry Conference & Trade Show

FM 4991 – Jill Norcott

FM Approvals

FM APPROVED
4991
FCIA Firestop Industry Conference & Trade Show

Tuesday Break – Sponsored By Silver Members

SILVER

carboline®
Coatings - Linings - Fireproofing

EMSEAL

FIRELINE 520
AN INPRO® COMPANY

Construction Specialties™

Thermafiber™
FCIA Firestop Industry Conference & Trade Show

FCIA Firestop Education for FM & UL Firestop Exams
FCIA Firestop Industry Conference & Trade Show

Lunch – Sponsored By Platinum Members
FCIA Firestop Industry Conference & Trade Show

Tuesday Reception Sponsor - Gold Members

3M  
ROXUL®  
The Better Insulation
FCIA Firestop Industry Conference & Trade Show

November 7-10, 2017

Omni Rancho Las Palmas
Palm Springs, CA
FCIA Firestop Industry Conference & Trade Show

Tuesday Reception Sponsor - Gold Members

3M
ROXUL®
A Few Details - Wednesday

• Fire Exits
• Mobile Phones to Vibrate
• Weds. – Friday – Salons A-E
• Reception –
  – Las Palmas Lawn – 5:30pm after GOLF
• AntiTrust
FCIA Anti Trust Policy

• Association Do’s and Don’ts – FCIA Outside Counsel
  – DON’T discuss the prices your company will charge customers.

  – DON’T discuss discounts, terms and conditions of sale, warrant terms, profits or profit margins, shares of market, bids or the intent to bid, rejection or termination, of customers, sales territories, or markets.

  – DON’T discuss administration or disciplinary action by the Association against a particular member, or enforcement of the Association’s Code of Ethics, in the absence of specific legal guidance.

  – DON’T propose or discuss any proposal, in the absence of specific legal guidance, that the Association sponsors or engage in any activity which may have the effect of producing an adverse economic impact on some competing companies.
Thanks FCIA FIC Sponsors – All Week...
FCIA Firestop Industry Conference & Trade Show

Breakfast– Sponsored by ROXUL

The Better Insulation™
FCIA Firestop Industry Conference & Trade Show

• Great Speakers – Tues - Friday!
  – Who is FCIA?
  – Jill Norcott, FM Approvals
  – Pam Blanchette, Ruben Sandoval, & Matt Schumann, UL
  – Richard Coffey, Seasons of Life
  – FCIA Ray Usher Golf Tourney
  – Patrick Shaw, Cushman Wakefield, Corey Zussman, Pepper Construction
  – Joe Lstiburek, Building Science, Inc.
  – Ray Acree, OSHA San Bernardino
  – Kevin Dougherty, Construction Industry Speaker
  – Top 10 Questions – Manufacturer Panel
  – Contractor Member Only Session Thursday
  – Bill Koffel, Koffel Associates
  – Andre Larouche, NRC
  – Jonathan Flannery, ASHE
FCIA Firestop Industry Conference & Trade Show

• Introductions
• Presidents Welcome
• Education Sessions
• Committee Meetings
• Golf – Clubs NOW
• Reception @ Las Palmas Lawn – 5:30
President’s Welcome
Introductions
Association Update

FCIA Firestop Industry
Conference & Trade Show
Nov. 8, 2017
Introductions....
Name, Company, NEW, LOUD PLEASE
President’s Welcome, Introductions & Association Update

FCIA Firestop Industry Conference & Trade Show
Thanks...FCIA 2017
Board & Committees
Thanks...FCIA 2017
Board & Committees

• Industry Relationships
  – Industry Influences
• Financially Sound Association
• Membership Retention @ 87%,
• North America & International Growth
• NEW Professional Liability Insurance Program
Membership Committee

• **Membership** – Renewals @ 86%++

• 1999 - 40 Members

• 2005 – 121 Members

• 2008 - 215 Members

• 2012 – 310 Members

• 2013 – 321 Members

• 2017 – 340 Members
Membership Committee

- **FCIA Membership – 340**
  - Contractors – 270 (+8)
    - 40 Canada
    - 43 International -
  - Manufacturers – 20 (+1)
  - Associates – 45 (Even)
    - 21+ Inspection Agencies
    - 5 IAS AC 291
  - Friend/Retired - 5

- **Renewals @ 87%**
46 NEW FCIA Contractor Members

- Barber Firestop Systems (returned after 5 years)
- Bombard Mechanical
- Chicago Waterproof Company
- Commercial Fireproofing & Insulation
- Davenport Commercial (branch – Top Build)
- DKB, Inc
- Firestop Commercial, LLC
- Firestek Pacific, LLC
- General Caulking (Canada)
- Greater Metroplex Interiors
- J.M. Keystone
- JD Firestop Pros
- Low Country Firestop
- Marek Brothers Systems
- Massey’s Plate & Glass
NEW FCIA Contractor Members

• MG Construction (Canada)
• Mongrain Inc. (Canada)
• Phoenix Insulation
• Pipeline Services
• RC Construction (Canada)
• Red Hawk Fire & Security
• RVA Firestopping LLC
• TDC Waterproofing & Restoration
• U.S. Firestop
• US Spray NYC, Inc.
• Wohl Diversified Services
NEW FCIA Contractor Members

• 8 New International Contractors
  • Al Bena for Electromechanical Works (Qatar)
  • Arab Builders Trading & Contracting (Qatar)
  • National Protection Paint Co. (Dubai)
  • Plus Passive Fire (Australia)
  • Pushesh Gostar Qeshm (Iran)
  • Saudi United Waterproofing Co. (Branch of QCTC – Saudi Arabia)
  • Tadmur Contracting WLL (Qatar)
  • Volt Trading WLL (Qatar)
NEW FCIA Associate Members
Inspection, Labs, Distributors

• George Koper Associates (Special Inspection)
• HD Supply – White Cap Construction & Industry (distributor)
• Idaho National Laboratory (Testing lab)
• Materials Testing & Inspection (Special Inspection)
• Pinchin (Special Inspection), (Canada)
• SME (Special Inspection)
• Universal Engineering Sciences (Special Inspection)
• UW Valley Medical Center
NEW FCIA Manufacturer Members

- Carboline Company
- AD Fire Protection (Branch – Carboline, Canada)
- Passive Fire Protection Partners (Canada)
FCIA Founding Principles

• FCIA Steering Committee Meetings
  – Why isn’t there a way for contractors to differentiate?
  – Why isn’t there inspection?
  – Why isn’t there an industry knowledge document?
  – What can FCIA do at Code Development Org’s?
  – How can we Liaison with other Groups?

• The Quest for Firestop Specialty Continues
  – Contractors, Inspection Agencies, Manufacturers
Membership Committee

• FCIA Membership – 340
  – Contractors – 270 (+8)
    • 40 Canada
    • 43 International
  – Manufacturers – 20 (+1)
  – Associates – 45 (Even)
    • 21+ Inspection Agencies
    • 5 IAS AC 291
  – Friend/Retired - 5

• Renewals @ 87%

• Referrals Welcome – Who’s Not In?
What did we do?
What are we doing?

- Build FCIA Industry Strategy = DIIM
  - Advocate
  - Exposure for Members
  - Networking Everywhere
  - Education for Members
  - Education Outside World
    - Evaluate, Buy Firestop Contractors, etc.
  - Support Members
  - Resources
Accreditation - FM 4991 & UL QFC
Aedan Gleeson, Ben Urcavich

• **FM & UL/ULC Meetings**
  – Jeff Gould, Bob Azimi, Jill Norcott @ FM Approvals
    • Educate Auditors
    • Worldwide Expansion
  – Matt Schumann, Pam Blanchette
    • Educate Auditors
    • Worldwide Expansion

• **FM & UL Firestop Exams**
  – Contractor Personnel
  – Inspection Agency Personnel
    • FM or UL Firestop Exam;
    • AND / OR IFC Exam

• **Consistency, Enhancements**
Technical, Education, Apprenticeship
Tracy Smith, Bob Hasting, Ken Slama, Gary Hamilton

• MOP & Firestop Containment Worker Education
  – FCIA Firestop MOP
    • ONE NEW Chapter Publishing - Inspection
    • 3 NEW Chapters Coming....
      – Labeling – Canada - Code
  – FCIA Firestop Containment Worker Education
    • DVD’s w/Video, Quizzes, Instruction Guides
    • 2018 Budget for Education Excellence
  – FCIA Researching - ‘Single Trade’
Code Committee – Bill for Gary

- ICC Code Development – 2018 Codes
  - 703.1, Maintenance, Becomes 701
  - Inventory of Fire Resistance – Documentation
  - Inspect to Systems, when known...Documentation
  - Install to Manufacturers Instructions & Listing

- NFPA 5000/101/1
  - Added ASTM E 2174/2393
  - Added...Maintain Fire Resistance
Code Committee

• ICC Code Development – 2021 Codes
  • Participate at ICC’s Fire Code Action Committee
    • Joints – FCAC reorganization.
    • Labeling
    • High Rise – 420’, Others – FM 4991/ULQFC
    • Maintenance – IEBC
    • Inspection in Multifamily Low Rise?
    • Watch for…. Perimeter Fire Containment

• NFPA 101/5000 starts again…
Canada Committee -
Bill McHugh & Jim Smiley

• National Building Code of Canada – 2020 Codes
  • FM 4991 & UL/ULC QFCP
  • ASTM E 2174/2393 Inspection
  • Fire Stop to Firestop
  • Maintenance – Inventory – **Prove it**

• Building Official Associations
  • Nova Scotia
  • Association of Building Official Organizations (CAN)

• CHES Convention

• **NEW NRC Spec. Published, DIIM, FM 4991, UL QFC, IAS**

• Apprentice Determination – Nova Scotia Discussions
Standards Committee – Eric Keeton

- ASTM -
  - Inspection Acceptability,
    - Shrinkage?
    - Micrometers?
  - IFC Guidelines for Inspection - Measure at Bond Lines
- Inspections – ‘TYPE’ (Pen’s), Qualifications, Company/Inspector
- Firestop Guide
- Movement, Exposure, Aging (Optional)
Standards Committee – Eric Keeton

- UL STP Meetings
  - Shrinkage, Aging, Movement, Smoke, Membrane Pens., W, etc.
Marketing Committee
Aedan Gleeson

• Trade Shows, Life Safety Digest & Speaking
  – Barrier Management Symposiums
    • ASHE - 14 Symposiums, 3 years, 1,000+ attendees
    • APPA – 2018 Symposiums
  – CHES National Convention
  – ASHE Annual Conference
  – ICC Expo
  – CONSTRUCT/CSI
  – NFPA Expo
  – ICC / ASTM Symposium in Dubai
  – NEW Barrier Management Services Section, FCIA.org

• FCIA Webinars –
  – Over 150 sites per session
  – 2017 – 15+ Sessions
Program Committee

Don’t Miss FCIA’s 2018 Conferences

• FCIA ECA 2018 - The Peabody, Memphis

• FCIA FIC 2018 – Austin, Texas
FCIA Industry Perspectives

• Firestop Industry Continues to Grow
  – Strong Non-Residential Construction Economy
    • NEW Construction Growth
  – FM 4991, UL QFCP Specs Growing, Holding
  – Inspection growing
  – Manufacturer innovations, ‘Easy’, but still Systems
  – Existing Buildings, all occupancies, complex
  – Building Owners Fire-Resistance Budgets

• FCIA, FM 4991, UL/ULC QFC, IAS AC 291 READY
FCIA Prepared Industry For Growth

• DIIM Strategy Builds **Reliable Firestopping**
• FCIA Member, FM 4991 & UL QFCP, IAS AC 291
• Inspection, ASTM E 2174/2393
• Specs, Standards & Code Development
• Technical Education
• Liaison @ Influences
• Symposiums – Canada, Dubai, Doha
• Focus on Building Owners & Existing Buildings
• Build Relationships - Members & Influences
FCIA Prepared Industry For Growth

• FCIA’s 2018 Actions ....
  – Continue Advocacy
  – ICC 2021 Codes
  – NRC 2020 Canada Codes
  – Standards Development
  – Symposiums
  – DC Advocacy
  – Barrier Management Symposiums
President’s Welcome & Association Report

FCIA Firestop Industry Conference & Trade Show

Nov. 8, 2017
Board Candidate Presentations

Jerry Dugan, Jr., Firestopping Specialist, Inc.
Odessa, TX

David Mistler, Alpha Insulation & Waterproofing, Inc.
Lewisville/Dallas, TX

Jim Smiley, Dew Point Insulation Systems
Flesherton/Milton, ON

Ben Urcavich, Performance Firestop Inc.
Green Bay, WI
FCIA
FIRESTOP INDUSTRY CONFERENCE & TRADE SHOW
NOVEMBER 7-10, 2017
OMNI RANCHO LAS PALMAS PALM SPRINGS, CA
FCIA Firestop Industry Conference & Trade Show

Matthew Schumann, UL
FCIA Firestop Industry Conference & Trade Show

BREAK – Sponsored By

FIRELINE 520™
AN INPRO® COMPANY
FCIA Firestop Industry Conference & Trade Show

Richard Coffey, Coffey International
FCIA Firestop Industry Conference & Trade Show

Ray Usher Golf Outing for Bob LeClair Scholarship
FCIA Firestop Industry Conference & Trade Show

Reception @ 5:30pm Las Palmas Lawn – Sponsored By

Specified Technologies, Inc.
FCIA
FIRESTOP
INDUSTRY
CONFERENCE
&
TRADE
SHOW
NOVEMBER 7-10, 2017
OMNI RANCHO LAS PALMAS
PALM SPRINGS, CA
FCIA Firestop Industry Conference & Trade Show

Wednesday Golf Reception - Sponsored By:

*Specified Technologies, Inc.*
FCIA Firestop Industry Conference & Trade Show

Breakfast - Sponsored by ...

3M Fire Protection Products
A Few Details - Thursday

• Fire Exits
• Restrooms
• Mobile Phones to Vibrate
• Introductions
• Awards Luncheon, Don Murphy Tribute
  – Salon 4, 5....TO YOUR LEFT
• Reception – Starlight Terrace – 6:00pm
• Great Speakers
• AntiTrust
FCIA Firestop Industry Conference & Trade Show

• Great Speakers – Tues - Friday!
  – Who is FCIA?
  – Patrick Shaw, Cushman Wakefield, Corey Zussman, Pepper Construction
  – Jill Norcott, FM Approvals
  – Joe Lstiburek, Building Science, Inc.
  – Ray Acree, OSHA San Bernardino
  – Kevin Dougherty, Construction Industry Speaker
  – Top 10 Questions – Manufacturer Panel
  – Contractor Member Only Session Thursday
  – Bill Koffel, Koffel Associates
  – Andre Larouche, NRC
  – Jonathan Flannery, ASHE
FCIA Anti Trust Policy

• Association Do’s and Don’ts – FCIA Outside Counsel

  – DON’T discuss the prices your company will charge customers.

  – DON’T discuss discounts, terms and conditions of sale, warrant terms, profits or profit margins, shares of market, bids or the intent to bid, rejection or termination, of customers, sales territories, or markets.

  – DON’T discuss administration or disciplinary action by the Association against a particular member, or enforcement of the Association’s Code of Ethics, in the absence of specific legal guidance.

  – DON’T propose or discuss any proposal, in the absence of specific legal guidance, that the Association sponsors or engage in any activity which may have the effect of producing an adverse economic impact on some competing companies.
Introductions....
Name, Company, NEW,
LOUD PLEASE
Thanks...FCIA 2017
Board & Committees
FCIA Firestop Industry Conference & Trade Show

What Keeps Property Owners & GC’s Up at Night

Patrick Shaw, Cushman and Wakefield
Corey Zussman, Pepper Construction
FCIA Firestop Industry Conference
& Trade Show

BREAK – Sponsored By

carboline
Coatings - Linings - Fireproofing
FCIA Firestop Industry Conference & Trade Show

FM 4991 – Jill Norcott

FM Approvals
FCIA Firestop Industry Conference & Trade Show

BREAK – Sponsored By

EMSEAL Joint Systems, Ltd.
FCIA Firestop Industry Conference & Trade Show

Joe Lstiburek, PhD, PEng
Building Science, Inc.
IBC Chapter 14 – Exterior Walls

Metal Composite Materials – (MCM)

SEE IBC Chart ..... NFPA 285?

Thomas Bell-Wright International Consultants
<table>
<thead>
<tr>
<th>Base requirements (Section 1406.10)</th>
<th>Alternative 1 (Section 1406.11.1)</th>
<th>Alternative 2 (Section 1406.11.2)</th>
<th>Alternative 3 (Section 1406.11.3)</th>
<th>Alternative 4 (Section 1406.11.4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unlimited height</td>
<td>Up to 40 feet above grade</td>
<td>Up to 50 feet above grade</td>
<td>Up to 75 feet above grade</td>
<td>Up to 75 feet above grade</td>
</tr>
<tr>
<td>• Flame spread index ≤ 25°</td>
<td>• Flame spread index ≤ 75°</td>
<td>• Flame spread index ≤ 75°</td>
<td>• Flame spread index ≤ 75°</td>
<td>• Flame spread index ≤ 75°</td>
</tr>
<tr>
<td>• Smoke developed index ≤ 450°</td>
<td>• Smoke developed index ≤ 450°</td>
<td>• Smoke developed index ≤ 450°</td>
<td>• Smoke developed index ≤ 450°</td>
<td>• Smoke developed index ≤ 450°</td>
</tr>
<tr>
<td>• Approved thermal barrier ½ inch</td>
<td>• For fire separation distances 5 feet or less, MCM panel coverage limited to ≤ 10% of exterior wall</td>
<td>• Self ignition temperature ≥ 650 °F²</td>
<td>• Prohibited on buildings of Group A-1, A-2, H, I-2 and I-3</td>
<td>• Minimum fire separation of 30 feet required (20 feet for sprinklered buildings)</td>
</tr>
<tr>
<td>(12.7 mm) gypsum or material meeting fire test NFPA 275a,b</td>
<td>• For fire separation distances greater than 5 feet unlimited MCM coverage is permitted</td>
<td>• MCM panels limited to ≤ 300 sq feet in size</td>
<td>• Prohibited on buildings with a required exterior wall fire resistance rating</td>
<td>• Self ignition temperature ≥ 650 °F²</td>
</tr>
<tr>
<td>• Compliance with fire test NFPA 285a</td>
<td></td>
<td>• Minimum 4 feet vertical separation required</td>
<td>• Self ignition temperature ≥ 650 °F²</td>
<td>• Combustibility rating CC1 or CC2²</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Flame barriers between each story are required or a vertical separation of MCM panels ≥ 4 feet must be provided</td>
<td>• Area limitations based upon combustibility rating</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Footnotes:

a. A fire test is required. See table on page 4 for a description of fire tests.
b. Thermal barriers are not required if the MCM passes specific test criteria (NFPA 286) that shows the panel will not contribute to fire growth.
c. Height of installation is unlimited where an automatic sprinkler system is installed throughout the building.
d. See Sections 1406.11.3.4 and 1406.11.3.5 of the IBC.
e. Where flame barriers are used, they must extend a minimum 30 inches beyond the exterior wall. Where an automatic sprinkler system is installed throughout the building, flame barriers and vertical separations are not required.
f. See Section 1406.11.4.3 of the IBC.
NFPA 285 test in progress

Doug Evans Slide
NFPA 285 & ASTM E 2307?
Insulation?

IBC Chapter 14 – Exterior Walls
FCIA Firestop Industry Conference & Trade Show

Awards Luncheon – Sponsored By
FCIA Firestop Industry Conference & Trade Show

Ray Acree, OSHA San Bernardino, CA
FCIA Firestop Industry Conference & Trade Show

Kevin Dougherty, Consultant
FCIA Firestop Industry Conference & Trade Show

BREAK – Sponsored By

Construction Specialties, Inc.
FCIA Firestop Industry Conference & Trade Show

Top Questions – Manufacturer’s Technical Personnel
Manufacturer Technical Panel

- Scott Boyer, Construction Specialties, Inc.
- Dennis Callahan, EMSEAL
- Yanwei Cen, Rectorseal
- Ted Colwell, 3M Fire Protection Products
- Foster Cryer, HILTI
- Matthew Fischer, Fireline 520
- Paul Gauci, Carboline/AD
- John Harder, BALCO
- Simon LeClerc, NUCO
- Jon Matthews, STI
- Angie Ogino, Thermafiber/Owens Corning Co.
- Ashley Cupp Overstreet, ROXUL (Rockwool)
Questions

What’s the difference between Fire Block, Firestop, Fire Resistance, Fire Resistant, Fire Protection Ratings, Fire-rated. (Doors, glazing, dampers, etc., test standards)

(3M Ted Colwell)
Questions

Can I paint installed firestop systems?
(Simon Leclerc, NUCO)
Questions

How can we force the spec when it calls for an FM 4991/UL Qualified Firestop Contractor, for the whole job....and it winds up not getting enforced....

Paul Gauci, Carboline
Questions - Penetrations

Sealant Shrinkage – Why?
Measuring?
How?
Why?

(HILTI, Foster Cryer)
Questions - Penetrations

New ASTM Standards – Advise??

Movement (ASTM E 3037) –
   How Much?

Exposure (ASTM E 2785) –
   What Chemicals?

Longevity (ASTM E 2923) –
   How Long?
Questions

Penetrations at head of walls.
How does it affect T-Rating, movement capabilities?
How can contractor reduce their liability in this application?

(3M Ted Colwell and or Jon Matthews, STI)
Questions - Penetrations

Can a 1 sided through penetration be used for a membrane penetration? What research is going on with membrane penetrations in horizontal and vertical assemblies? W Gypsum walls? Concrete Block Walls?

(STI, Jon Matthews)
Questions - Penetrations

Product Service Temperatures – Why, How?

(Rectorseal, Yanwei Cen)
Questions - Penetrations

• T-Ratings...
  – Where are we now? Where are we going? Code requirements. Better solutions coming? (STI, Jon Matthews.)
  – Where height is limited below horizontal assembly? (3M, Ted Colwell)
Questions - Penetrations

Angled Penetrations, ok?

(HILTI, Foster Cryer)
Questions

What is an expansion joint and, when is it fire-rated, how does it figure into the firestop nature of new construction...can they be used in retrofit applications?

(EMSEAL, Dennis Callahan)
Questions

Fire barrier Expansion Joint (materials) got wet on-site. Can it still be installed?

(BALCO John Harder)
Questions

The tile floor installer has been awarded the scope of the horizontal barriers, and I have the vertical along with stud framing. How do I intersect their chosen product with yours at the floor and ceilings?

Compatibility of horizontal expansion joint products and vertical for walls....how to marry?

(Fireline 520, Matt Fisher)
Questions

• Combined Question – Smoke Resistance
  – How do I get a smoke rating only? Smoke rating with a fire barrier?
    • (Construction Specialties, Inc., Scott Boyer)
  – Do all Expansion Joint fire barriers also function as smoke barriers? What kind of testing is being done to get to this..
    • (Balco, John Harder)
Questions – Perimeter Fire Barriers

• Can Mineral Wool be used for firestop without any sealant?

• (Ashley Overstreet, Roxul)
Questions – Perimeter Fire Barriers

What thickness of mineral wool insulation is required to get an hourly rating?

Will an interior back pan or aluminum panel provide enough reinforcement at the safing line to eliminate the need for a backer reinforcement member behind the metal panel?

(Angie Ogino, Thermafiber/OC)
Questions – Perimeter Fire Barriers

• Can Mineral Wool be used for firestop without any sealant? (Ashley O., Roxul)


• Conflict between Curtain Wall construction and ASTM E 2307 requirements. Why so many EJ’s? (FCIA)

• Leapfrog resistance? Is it coming? Is it important? Why? (FCIA)

• What are considerations for new energy codes and spandrel insulation? R-Values? Fire Resistance? (FCIA)
FCIA Firestop Industry Conference & Trade Show

Reception – 6:00pm Starlight Terrace – Sponsored by:

HILTI
FCIA Firestop Industry Conference & Trade Show

FCIA CONTRACTOR MEMBER ONLY SESSION
FCIA FIRESTOP INDUSTRY CONFERENCE & TRADE SHOW
NOVEMBER 7-10, 2017
OMNI RANCHO LAS PALMAS PALM SPRINGS, CA
FCIA Firestop Industry Conference & Trade Show

Reception –6:00pm Starlight Terrace – Sponsored by:

HILTI
FCIA Firestop Industry Conference & Trade Show

BREAKFAST – Sponsored By

Thermafiber, Inc. (an Owens Corning Company)
A Few Details - Friday

• Fire Exits
• Mobile Phones to Vibrate
• AntiTrust
FCIA Anti Trust Policy

• Association Do’s and Don’ts – FCIA Outside Counsel
  
  – DON’T discuss the prices your company will charge customers.
  
  – DON’T discuss discounts, terms and conditions of sale, warrant terms, profits or profit margins, shares of market, bids or the intent to bid, rejection or termination, of customers, sales territories, or markets.
  
  – DON’T discuss administration or disciplinary action by the Association against a particular member, or enforcement of the Association’s Code of Ethics, in the absence of specific legal guidance.
  
  – DON’T propose or discuss any proposal, in the absence of specific legal guidance, that the Association sponsors or engage in any activity which may have the effect of producing an adverse economic impact on some competing companies.
FCIA Firestop Industry Conference & Trade Show

• Great Speakers – FRIDAY
  – Bill Koffel, Koffel Associates
  – Andre Larouche, NRC
  – Jonathan Flannery, ASHE
FCIA Firestop Industry Conference & Trade Show

Bill Koffel, FSFPE
Koffel Associates
Code Committee – Bill for Gary

- ICC Code Development – 2018 Codes
  - 703.1, Maintenance, Becomes 701
  - Inventory of Fire Resistance – Documentation
  - Inspect to Systems, when known...Documentation
  - Install to Manufacturers Instructions & Listing

- NFPA 5000/101/1
  - Added ASTM E 2174/2393
  - Added...Maintain Fire Resistance
Code Committee

• ICC Code Development – 2021 Codes
  • Participate at ICC’s Fire Code Action Committee
    • Joints – FCAC reorganization.
    • Labeling
    • High Rise – 420’, Others – FM 4991/ULQFC
    • Maintenance – IEBC
    • Inspection in Multifamily Low Rise?
    • Watch for…. Perimeter Fire Containment

• NFPA 101/5000 starts again…
FCIA Firestop Industry Conference & Trade Show

Andre Larouche
National Research Council of Canada
FCIA Firestop Industry Conference & Trade Show

Jonathan Flannery, ASHE
FCIA Firestop Industry Conference & Trade Show

• Great Speakers – Tues - Friday!
  – Jill Norcott, FM Approvals
  – Pam Blanchette, Ruben Sandoval, & Matt Schumann, UL
  – Richard Coffey, Seasons of Life
  – FCIA Ray Usher Golf Tourney
  – Patrick Shaw, Cushman Wakefield, Corey Zussman, Pepper Construction
  – Joe Lstiburek, Building Science, Inc.
  – Ray Acree, OSHA San Bernardino
  – Kevin Dougherty, Construction Industry Speaker
  – Top 10 Questions – Manufacturer Panel
  – Contractor Member Only Session Thursday
  – Bill Koffel, Koffel Associates
  – Andre Larouche, NRC
  – Jonathan Flannery, ASHE
Don’t Miss FCIA’s 2018 Conferences

• FCIA ECA 2018 - The Peabody, Memphis

• FCIA FIC 2018 – Austin, Texas
FCIA Firestop Industry Conference & Trade Show

November 7-10, 2017

Omni Rancho Las Palmas
Palm Springs, CA