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Have an **IDEA** for the **Specifier ?**

We would love to hear from you!

Announcements, upcoming events, or technical articles are welcome and encouraged! Any submissions for the Specifier can be emailed for review and we will do our best to get it into print. Deadlines are the last Friday of the month for the following month's newsletter. Share your knowledge — **this is YOUR industry!**

Dennis Hodkinson
Newsletter Editor
DHodkinson@rjc.ca
(604) 738-0048

- Facebook:** CSC Vancouver Chapter
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- LinkedIn:** Construction Specifications Canada

The opinions and comments expressed by the authors published herein do not necessarily reflect the official views of Construction Specifications Canada. Also, appearance of advertisements and new product or service information does not constitute an endorsement of products or services featured.

2015-2016 PROGRAM

SEPTEMBER 10	CSC SPEC GOLF 2015
OCTOBER 8 11:30am Lunch Sandman Hotel, Vancouver	Parking Structures: Design, Construction and Maintenance Sylvie Mercier, B.A.Sc., P.Eng., LEED® AP Principal at RJC Ltd.
NOVEMBER 18 CSC Vancouver Chapter Construction Fair 10:30am to 2:30pm Vancouver Convention Centre, East Building	Building Codes Update 10:30 AM - Murray Frank, Constructive Home Solutions Green Building Forum 12:00 Noon - Brian Palmquist Architect AIBC/Marsha Gentile - Ledcor. Legal Discussion 1:30 PM - Dirk Laudan, Partner, Borden Ladner Gervais
DECEMBER 10 11:30am Lunch Sandman Hotel, Vancouver	Construction Industry Forecast Fiona Famulak, President - VCRA
JANUARY 14 11:30am Lunch Sandman Hotel, Vancouver	Designing Green Roofs for Stormwater Management Dr. Karen Lui – R&D Bonar Xeroflor GmbH
FEBRUARY 11 11:30am Lunch Sandman Hotel, Vancouver	Legal Discussion Mike Demers – Lawyer, Jenkins Marzban Logan LLP
MARCH 10 11:30am Lunch Sandman Hotel, Vancouver	Demystifying Acoustics Andre Rioux – AcousticTECH/Soprema Soundproofing
APRIL 7 11:30am Lunch Sandman Hotel, Vancouver	Fireproofing Systems and Applications Chris Row – AD Fire Protection
Chapter General Meeting 12 noon	
MAY 12 11:30am Lunch TBC	Site Tour – TBD TBD
MAY 26–29th 2016	CSC National Conference 2016 – Halifax
SEPTEMBER – TBD	SPEC GOLF 2016

Vancouver Chapter Board 2015-2016

GOLF/ CHAIR

James Kelly, CTR
Soprema
Building Envelope Representative
604-369-2983
jkelly@soprema.ca

VICE-CHAIR/TRADE SHOW

Todd Gerrard, CTR
Enercorp Inc.
Architectural Representative
604-345-4436
todd@enercorp.ca

DIRECTOR

Kim Tompkins, CTR
Tec Agencies Ltd.
Principal
604-583-0944
kim@tecagencies.com

EDUCATION

Robert Jahnsen
Div7 Building Systems
Principal
604-657-5886
Robert@Div7.ca

SPECIFICATION OFFICER

Peggy Perry, SCP
Boldwing Continuum Architects
Project Coordinator
604-908-8007
peggy@boldwing-continuum.com

SECRETARY

George McCutcheon, CSP
North West PLAN Inc.
Principal
604-719-8204
gm@planinc.ca

TREASURER

Vince Smith
Cloverdale Paint Inc.
Architect/ Design Representative
604-868-8406
vsmith@cloverdalepaint.com

PROGRAM CO-CHAIR

Eric Poxleitner
Keystone Architecture & Planning Ltd.
Principal
604-850-0577
eric@keystonearch.ca

PROGRAM CO-CHAIR

Leon Viger
Mallen Gowing Berzins Architecture
Senior Project Manager
604-484-8285
lviger@mgba.com

MEMBERSHIP

Mario Maggio, CDT
CRL/ US Aluminum
Canadian Sales Manager
778-986-6058
Mario_maggio@ussalum.com

TRADE SHOW

Brian Maher, CTR
Dryvit Systems Canada
Technical Sales Representative, BC Region
604-476-2300
bkmaher@dryvit.ca

NEWSLETTER

Dennis Hodkinson, CCCA
Read Jones Christoffersen Ltd.
Associate
604-738-0048
dhodkinson@rjc.ca

MEMBER AT LARGE


Melodie Schwartzman, CTR
CGC Inc.
Architectural Solutions Manager
778-840-1012
mschwartzman@usg.com

WEBSITE

Brad Morris, CSP
Morris Specifications Inc
Specification Writer
604-732-7979
bmorris@morspec.ca

MARKETING

Ryan Foster, CTR
Roxul Inc.
604-353-2249
ryan.foster@rockwool.com



AWMAC
British Columbia Chapter

Moira Rowan | Executive Director

Architectural
Woodwork
Manufacturers
Association of
Canada

www.awmac.com

O: 604-298 3555
C: 604-908 2230
moira.bc@awmac.com

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Sales Manager

604.681.7504 Phone
604.808.6617 Mobile
rbrown@dominionblue.com
dominionblue.com

WORDS FROM THE CHAIR

December is finally upon us, the Christmas party rush is here. This month Fiona Famulak is presenting at our December luncheon. Fiona will be presenting her insight on the outlook for 2016 and beyond. The industry keeps humming along and seems busier now than at this time last year. VRCA has been meeting with their membership over the last year with a goal towards improving the quality of construction documentation. CSC continues to strive towards the same objective and will be working closely with Fiona during the coming year to give our insight towards initiative being driven down by the Canadian Construction Association (CCA). In addition to this initiative CSC also plans to work closer with VRCA for education as well. Education is part of the mission for CSC and working closely with VRCA we hope to tap into a larger market. CSC will be hosting an in-class PCD course (proposed start date January 27th, 2016). These courses are held at the VRCA classroom, check the website for registration information or email Robert Jahnsen at (Robert@div7.ca). In addition CSC National is hosting a Winter Workshop in Vancouver for Construction Contract Administration (CCA) March 7-11, 2016. This gives people the option of completing the course in 5 days. This course will be held at the Pacific Gateway Hotel in Richmond. If you or someone you know is interested in any of these courses or the variety of online courses offered, please let us know.



RCABC ROOFING CONTRACTORS ASSOCIATION OF BRITISH COLUMBIA

Judy Slutsky Director of Business Development
judy@rcabc.org
 9734-201 Street, Langley, BC V1M 3E8
 Tel 604 882 9734 ext 202
 Cell 604 723 5942
rcabc.org

Brian Maher, CTR
 Technical Sales Representative


13752-232A Street
 Maple Ridge, BC V4R 0C2



M: (604) 908-1101
 T: (604) 476-2300
 E: bkmahe@dryvit.ca



DRYVIT SYSTEMS CANADA



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 Surrey, British Columbia V3S 8E5
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 Fax: 604.576.3631
www.soprema.ca

KEN EMSLEY
 Architectural Products Representative

kemsley@soprema.ca **Cell: 604.360.2172**



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Vince Smith
 Architectural Representative

225 Terminal Ave.
 Vancouver, BC V6A 2L7
 Phone: (604) 689-4414
 Cell: (604) 868-8406
 Fax: (604) 689-7770
 Email: vsmith@cloverdalepaint.com

Tremco Canada division, RPM Canada
 #221-2545 West Broadway, Vancouver BC V6K 2E9



604-876-4029 Office Phone
 604-876-4039 Office Fax
 778-863-6171 Cell
 800-263-6046 Ext. 2730 Voice Mail
www.tremcosealants.com
rseidemann@tremcoinc.com

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 (905) 563-3255
 Fax: (905) 563-5582
 Cell: (604) 250-5884 1-888-4DELTA4 (433-5824)



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Tec Agencies Ltd.
 Marcel Tack, CSP
 Principal

#106-4218 Louisa Avenue
 Burnaby, BC
 Canada V5A 0C1

Cell: 604.802.2145
 Email: marco@tecagencies.com
www.tecagencies.com

Independent Manufacturers Representatives

SPRAY FOAM 101

— By: Scott Ruffett, CTR, LEED Green Assoc., ICYNENE

Over the last several years, provincial energy codes have changed to reflect the demand for more energy efficient buildings. The use of modern, cost effective insulation materials such as spray applied foam insulation (SPF) can assist the building designer meet these new code requirements. Providing energy efficient buildings creates an opportunity to reduce energy consumption, lower our utility costs, improve occupant comfort and indoor air quality, and reduce pollution and greenhouse gases.


Choosing the right SPF product can be a challenge. Designers should carefully consider the project requirements to ensure a smooth and successful completion. Whether designing to meet minimum code requirements for thermal performance (R-Value) in a wall, roof or floor, or in a more complex commercial air-barrier system application, there is an SPF product that meet your project's needs.

The two main SPF options for building designers are classified as light-density and medium-density. Both product types are excel-

lent insulators providing superior air-sealing qualities and can be used in commercial, residential, new construction or renovation projects.

R-values for light-density products range between R-3.5 to R-4.1 per inch. These products can be considered air-barriers and require a vapour barrier in most applications. Light-density foams expand up to 100 times the liquid volume and are known for filling voids and cracks within the cavity making them an ideal choice for building reclamation and renovation projects or in details where there is a large and complex amount of framing that would difficult to insulate with traditional materials.

Medium-density foams have higher thermal performance, are air barriers as well as vapour barriers (VB in applications greater than 50mm). R-values of medium-density foams are higher than light density foams, ranging from 5.11 per inch to over 6 per inch. Medium-density foams are robust and can be used as a component of the building envelope. Furthermore, medium-density spray foams provide a water resistant barrier in cavity wall details. Other common applications are stud wall cavities, interior side of roof applications, below grade interior or exterior applications or under pour in place concrete floor slabs.




Jeff Dye
 jeff@tecagencies.com
 Web • www.eproserv.com

Tec Agencies Ltd.
 8373 Arbour Place
 Delta, BC V4C 7H4, Canada
 Toll Free • 866-928-0944
 Phone • 604-583-0944
 Cell • 604-785-0805
 Fax • 604-583-0945

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 FAX: (780) 458-1173
 TOLL FREE: (800) 661-6971
 rlawrence@wrmeadows.com
 www.wrmeadows.com



Michael Torvik
 Consultant

ERV PARENT CO. LTD.
 791 Caldeu Street, Delta, BC, Canada V3M 5S3

Mobile: 604-649-7000
 Phone: 604-525-4142
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 info@thermacoustics.com www.thermacoustics.com

INDUSTRY ORGANIZATIONS

DIVISION 01: GENERAL REQUIREMENTS

Construction Waste Management – BuildSmart
www.metrovancouver.org/buildsmart

DIVISION 02: EXISTING CONDITIONS

Demolition / Deconstruction – BuildSmart
www.metrovancouver.org/about/publications/Publications/dlctoolkit08web1.pdf

DIVISION 03: CONCRETE

Cement Association of Canada
www.cement.ca/
Canadian Precast Concrete Institute
www.cpci.ca/

DIVISION 04: MASONRY

Masonry Institute of BC
www.masonrybc.org/
Masonry Institute (American)
www.masonryinstitute.com

DIVISION 05: METALS

Canadian Institute of Steel Construction
www.cisc-icca.ca/

DIVISION 06: WOOD, PLASTICS, & COMPOSITES

Architectural Woodwork Mfrs' Assoc.
www.awmac.com/bcchapters.php
Western Red Cedar Lumber Association
www.wrcla.org

DIVISION 07: THERMAL & MOISTURE PROTECTION

Roofing Contractors Association of BC
www.rcabc.org
BC Sheet Metal Workers Associations
www.smacna-bc.org
EIFS Council of Canada
www.eifscouncil.org
RCI Inc.
www.rciwesterncanada.org
RCI Western Canada Chapter
www.rciwesterncanada.org

DIVISION 08: OPENINGS (DOORS, WINDOWS)

Steel Door Institute
www.steeldoor.org
Canadian Steel Door Manufacturers Assoc
www.csdma.org
Door Hardware Institute
www.dhi.org
Glazing Contractors Association of BC
www.gca-bc.org

DIVISION 09: FINISHES

Association of Wall and Ceiling Contractors of BC
www.awccbc.org
Gypsum Association
www.gypsum.org
Master Painters Institute
www.paintinfo.com
Carpet and Rug Institute
www.carpet-rug.org
National Flooring Covering Association
www.nfcaonline.ca
National Wood Flooring Association
www.nwfa.org/member/
Terrazzo, Tile and Marble Assoc. of Canada
www.ttmac.com

TRADE SHOW UPDATE

November 18th, 2015 was our fifth annual Trade Show at the Vancouver Convention Centre. First off, many thanks to all the exhibitors who participated this year, the volunteers the day of the event, the architects and members of the design community who walked the show floor and finally the Trade Show Committee responsible for countless hours of work throughout the year to make it all happen. The day featured three separate guest speakers; Murray Frank of Constructive Home Solutions, Brian Palmquist & Marsha Gentile of Ledcor, and Dirk Laudan of Borden Ladner Gervais LLP. In addition, we added wine draws throughout the day with three separate winners walking away with 10-12 bottles of wine. At the end of the show, an I-Pad was

raffled off to eligible participants who visited and collected ten signatures from presenting exhibitors. Congratulations to this year's winner, Glenn Chatten. In addition, Michael Apostolides from B + H Architects was the winner of the set of Vancouver Canucks hockey tickets. Special thanks to this year's committee members: Todd Gerrard of Enercorp, Brian Maher of Dryvit, Ken Emsley of Soprema, Vince Smith of Cloverdale Paint, Jeff Dye of Tec Agencies, Ryan Foster of Roxul, and Calvin Lewis of Flextile. The team is now actively looking for new suggestions on how to make this event better, so if you would like to add your input into what happens in the future, please reach out to someone from the Executive and put your comments forward.



Guest Speaker – Dirk Laudan



Guest Speaker – Murray Frank



Guest Speakers – Brian Palmquist & Marsha Gentile



Grand Draw Winner (IPad Mini) – Glenn Chatten,



Canucks Tickets Winner – Michael Apostolides, B+H Architects

Wine Draw Winner – Amy Lau, Powerhouse Building Solutions



Wine Draw Winner



Wine Draw Winner Don Brletic, Ardex Americas



ADVERTISING: NEWSLETTER & WEB

Advertising with us will provide you with the opportunity to reach readers within the industry through the newsletter and on the CSC Vancouver website.

Size	Members	Non-Members
1/4 page	\$45	\$60
1/2 page	\$80	\$100
Full page	\$140	\$175

You will receive advertising space on the second page of the Specifier and on the CSC chapter website. The ad will be placed in one issue of the Specifier and reside on the website for one month. Ads must fit on one page only and are not limited to copy content or visual features.

If you are not sure whether the Specifier would be an appropriate tool for you, please email me with your questions. If you would like to advertise, or have any questions, please let me know. All advertising content is subject to pre-approval by the responsible CSC Committee.



Convoy Construction Materials

Jim Matsuo RRO
(Manager) Architectural & Technical

Direct Line: 604-592-8023
Phone: 604-591-5381
Fax: 604-572-7476
Cell: 604-360-4030

8183 130th Street
Surrey, BC V3W 7X4

Email: jmatsuo@convoy-supply.com
Web Site: www.convoy-supply.com



CGC
A USG COMPANY

Wissam Itani, CTR, LEED Green Assn
Architectural Solutions Representative

CGC Inc.
19575 - 96th Avenue
Surrey, BC V4N 4C5
c 778.840.1004
f 905.803.4366
e witani@cgcinc.com



MEMBERSHIP IN CSC

In the construction industry's fast-paced environment, the need for and value of Construction Specifications Canada is greater than ever. CSC brings together individuals from all segments of the construction industry. All who have a vested interest in Canada's largest industry are invited to join CSC. When you join CSC you become a part of the only association that brings together professionals from all aspects of the construction industry.

DESIGN TEAM

CSC offers members of the Design Team the opportunity to meet with other members and exchange information. It also affords you the chance to help improve technology and its management, and the means to improve ways in which your ideals are translated into clear, concise and complete documentation.

BUILDING TEAM

If you are a member of the Building Team, Construction Specifications Canada offers the opportunity to become involved in formulating specifications. Your valuable input into the programs can help generate time and cost savings as well as improve performance.

SUPPLY TEAM

The multi-disciplinary composition of the CSC allows members of the Supply Team to meet with other members of the construction team. CSC programs in data filing and information retrieval are geared to present convenient and concise information on your products for proper evaluation and specification.

THE STUDENT

If you are a student or architecture, engineering or construction technology, CSC will provide you with greater exposure to and a better understanding of the Construction Industry, giving you an excellent opportunity to plan a career in the construction field.



Vancouver Chapter

Luncheon Meeting Notice
Thursday, January 14, 2016

Green Roof Design for Stormwater Management

Presented by **Dr. Karen Liu**,
Research & Development, Bonar Xeroflor

Green roofs have been consistently experiencing double-digit growth over the past decade. A major driving force has been stormwater management. This luncheon meeting will discuss how to design green roofs specifically for stormwater management and examine various municipal policies and programs and their pros and cons in promoting green roof installation for stormwater management.

The stormwater management potential of a vegetative roof depends on its water storage capacity as well as the rainfall pattern and climate zone where it is located. Water detention and retention characteristics of the individual components will be looked at and a review of how these components interact within a green roof system to manage stormwater runoff.

The sessions will also demonstrate how innovative water retention materials can maximize water storage while keeping the weight low. A concept of water-retention-to-weight ratio will be introduced to compare different green roof components to assist designers to make the proper choices.

A case study: The Broadway Tech Centre will be used to illustrate how these tools can be used in designing green roofs for stormwater management.

At the end of this presentation, participants will be able to:

1. *Understand the principal mechanisms behind how green roof manages stormwater*
2. *Design a green roof to meet prescriptive- or objective-based stormwater policies*
3. *Design green roofs for stormwater management using technical principles and data*
4. *Specify green roof components/systems based on water-retention-to-weight ratio*

Dr. Karen Liu is the product manager for Bonar Xeroflor. She has been conducting green roof research since 2000 when she was a research officer at the National Research Council (NRC) in Ottawa, and led the green roof research team at the British Columbia Institute of Technology (BCIT) in Vancouver. Karen established the first North American field facility dedicated to green roof research and conducted several field studies across Canada to study the climate sensitivity of the technology. She now focuses her work on product development at Bonar Xeroflor.

-
- LOCATION:** **Sandman Hotel, 180 West Georgia Street, Vancouver**
Enter Moxie's Classic Grill escalator entrance. The ballroom is located straight through the restaurant at the back of Moxie's.
- AGENDA:** **11:30 am - 12:30 pm** Luncheon (full course self-serve buffet style)
12:15 - 12:30 pm Chapter Business
12:30 - 1:30 pm Guest Speaker Presentation
- COST:** \$38.00 plus GST for pre-registered CSC members / Association Executive Directors
\$48.00 plus GST for non-members
- PARKING:** Sandman Hotel Parking: Enter off Cambie Street, pass the Sandman Hotel Breezeway, underground parking to the left, press buzzer to access parkade and take elevator to restaurant level. Cost is \$1.25 per 15 minutes.
Easy Park: Across the street on the corner of Georgia and Cambie Streets. Cost is \$1.50 per 30 minutes.
- SKYTRAIN:** Exit at Stadium-Chinatown Station. Walk 2 minutes.



CSC Vancouver is a Registered AIBC Provider.
AIBC Members will receive 1 core LU (Learning Unit) for attending this event.

RCI has approved this meeting for 1 RCI Continuing Education Hour (CEH).
Members to request attendance certificate.



Vancouver Chapter

Luncheon Meeting Notice
Thursday, January 14, 2016

REGISTER ON-LINE through Karelo. Go to http://vancouver.csc-dcc.ca
MasterCard, VISA and Interac are accepted.

Name: CSC Non-Member AIBC RCI Firm: (Name & Firm as you wish them to appear on your name badge)

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COST: CSC members @ \$38.00 + \$1.90 = \$39.90 ea. = \$
non-members @ \$48.00 + \$2.40 = \$50.40 ea. = \$
Total Amount: \$

PAYMENT: At the door by cash, cheque or by VISA credit card only
Cheque (payable to CSC Vancouver)
Cash
VISA (complete the information below)

Name on VISA Card Signature
VISA Card No. Expiry Date Phone No. If we have questions

Complete and Fax this form to 1-604-321-6794.
Pre-Registration ends at 2:00 PM on Wednesday before the meeting.
Walk-ins welcome provided there is room.

Missed the deadline? Did not pre-register? You may still attend at \$50.40 per person, space permitting, BUT please call 604-868-8406 beforehand. If you pre-register and do not attend, we may invoice you for the cost of the meeting.

If you have special dietary (meal) requirements, please notify us at least 24 hours before the event.

Questions? Contact Vince Smith, 604-868-8406