



2024 CSC London Connections Cafe

Date: November 13, 2024

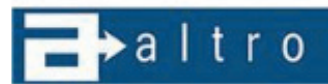
Location: Industrial Theatre Room / The Clubhouse; 100 Kellogg Lane

Time: 3:00 PM TO 8:00 PM

[Attendee Registration Here!](#)

[Sponsor Registration Here!](#)

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CSC LONDON CHAPTER - UPCOMING EVENTS

Principles Of Construction Documentation (PCD) Course - Winter 2025

Location: 295 Rectory St., London, ON

Date: Sun, 12-Jan-2025 - Sat, 15-Feb-2025

Course Outline: (30 hours)

Construction Process, Production of Construction Documents, Forms of Contract, Codes and Standards, Risk Management Issues, Legal Issues, Building Science, Contract Administration, Communications, Trends in the Construction Industry
TOTAL: 30 HOURS

Register at Karelo:

https://www.karelo.com/enter_res.php?&BID=531&Ev=22156



Why Become a Member?

Consider joining CSC to advance your career, expand your knowledge and network. CSC is a unique organization which brings all aspects of the industry together. Our membership includes architects, engineers, contractors, specification writers, contract administrators, owners, interior designers, suppliers, manufacturers and technical representatives. All of our members have a vested interest in Canada's largest industry and are invited to join CSC.

CSC TORONTO CHAPTER

CertainTeed Plant Tour

Location: 2424 Lakeshore Rd W,, Mississauga, ON

Date: Tue, 12-Nov-2024 10:00 - Tue, 12-Nov-2024 13:30

The CSC Toronto Chapter is pleased to announce that this year's plant tour will be held on November 12th, 2024, at CertainTeed Gypsum Canada Inc in Mississauga, On. This event promises to be an enlightening experience for all participants, showcasing the innovative building solutions that CertainTeed offers at every stage of the construction process.



Register at Karelo:

https://www.karelo.com/enter_res.php?&BID=467&Ev=22192

CSC Board of Directors Meeting



This year the Board of Directors and the Executive Committee meeting held their Biannual meeting on October 4th to 6th. To go over the years business, issues and events. One of the bigger questions of the weekend was why did you become a director. “Well for me it’s always about power.... Really would you really believe that? There are many answers to this from my perspective.

1. To give back to an organization which gave me so much.
2. To find my voice and courage to stand at a national platform and be recognized.
3. To make a difference.

I will end that there as it could go on and keeping it at a high level is more for you as you don’t really want to hear all my stories.

Best place to start is at the agenda items so we all can get through this in one piece...

Conference Awards:

It is asked that each chapter organize an informal ceremony for recipients who received an award for the 2023/2024 year. London chapter will be doing this not at the first event of the year, as it already has passed but at the largest meeting of the year the Connections café... you never know who will show up to deliver this message of the award recipients... could it be the CSC Current President... could it be Santa... come on out to find out.

Looking forward, we as a chapter need to work together to recognize the people who make a difference in our chapter and our design and construction community.

Upcoming Conferences:

- 2025 Saint John’s NL, Hosted by Atlantic Chapter
- 2026 – Winnipeg
- 2027 – London
- 2028 – TBD Interested Chapters will be presenting at the next BoD meeting
- 2029 – Toronto (Associations 75th Anniversary)

CSC Board of Directors Meeting

Media, Communications and Promotions

Social Media:

- LinkedIn:
 - CSC has 2 different LinkedIn setups
 - Corporate page – which we all are to follow and send content to the association office by email (socialmedia@csc-dcc.ca) 3344 followers.
 - CSC Group – which you need to apply to be a member (easy process) it is open for any one with a LinkedIn account to post. This platform is monitored for content so in keeping with CSC core values. 3453 followers
- CSC Instagram:
 - 1121 followers and CSC is following 2038 users. This is a national account, which Chapters can send content to.
- Facebook:
 - CSC has a national Facebook presence, which Chapters can send content to.
- X (Twitter):
 - The Board has decided that X (twitter) is not the right social platform for the members, thus it was decided that X will not be used. The Social media pages will remain to keep the CSC name, but all members are encouraged to use LinkedIn and Instagram as our official social media communication platforms.

Website:

- The CSC education portal phase 1 is complete providing information to the public about courses that are offered. Phase 2 which will roll out at the end of the year are the Chapter education sessions postings and registration in one location.

Marketing Materials

- The BoD had quite the discussion on this point on what we use to call membership packages a all-in-one printed folder with cards inside providing information on membership CSC values, Courses and Certifications.
- Swag Shop: Chapter and its members are to contact the association office prior to planning to order materials with CSC logo.

Technical Studies

- The Manual of Practice (MOP) has been discussed quite thoroughly. Without going into details, the Executive committee will take it back for discussion as there seems to be a split of what needs to be provided as part of the mop. Right now, the MOP is a very old set of documents which either need to be removed or updated with the future of CSC in place.
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CSC Board of Directors Meeting

Also, the MOP had a second volume which could be just a list of publications that can evolve over time as we know one of these documents is the Master format and is updated every two years so providing a list and not the actual manual is more relevant and sustainable in our MOP. The following CCDC documents are being worked on:

- CCDC 5A, 5B & 17: Minor comments provided June 2024
- CCDC 00: Comment provided to CCDC council June 2024
- CCDC 30 and Guide: Comments provided to CCDC on Sept 2024
- CSC is always looking for individuals in the membership to review CCDC documents when they come up. The CSC membership is encouraged to volunteer, contact the Association office to get on the list of reviewers.

Master Format

- The MFMTT is meeting every two weeks to expedite a new MasterFormat for early next year. This publication is in the hands of CSI so we will keep moving this initiative forward.

Education & Certification

- Do not forget to check your local chapter course offerings
- Virtual courses are as follows:
 - January: 5 day PCD
 - November:
 - 5 day Specifier Workshop
 - 5 day TR Workshop
 - 5 day CCA Workshop
 - March:
 - 5 day Specifier Workshop
 - 5 day TR Workshop
 - 5 day CCA Workshop
 - PCD in Colleges:
 - Red River College, George Brown, Humber College and Saskatchewan Polytechnic
 - PCD has been updated and are up for release late Winter 2025.

Other items:

- Mentorship: this past summer the association office had sent out requests to it's members for interested participant to be call on as mentors within this association. There was a very good number of interested individuals

CSC Board of Directors Meeting

- Strategic Plan: We are now almost at that 5-year mark where the strategic plan is reviewed and adjusted to keep us as member focused on our core values and what CSC is all about. The EC will be reviewing the current Strategic plan over the next few months.
- Administration Manual: the administration manual is available to all Chapter executive and its members who would like to view the document. If any member would like to volunteer to be one of the reviewers of the administration manual first contact the Association Office to get on the list and for further details.

This was just a snippet of what we had discussed at this years Board of Directors meeting. For those in the membership that are thinking of joining their local Chapter Executive, to qualify for Director position you just need 1 year experience on the Chapter Executive. But in my experience try your hand at multiple positions, really get to know the other people who are also taking their time to volunteer. Just like the Directors meeting which really reinforces my resolve in the association the chapter executive committee could also be that driving force. So, CSC members can really see they have an executive who what's to keep things moving forward. Remember when you are making decisions on the Chapter executive you are proving a voice for your local members, and don't forget you are also a member.

Thank you all for trusting me as your current Director. You should also be starting to look for a new Director in the upcoming year as I will be stepping down to take on other responsibilities as Chair for the 2027 CSC National Conference (London).

I hope this report was informative and yet entertaining. If anyone has questions or comments to what I have laid out in this report send to london@csc-dcc.ca.

Thanks,

Jeff Halashewski RSW
CSC London Director



DECEMBER 4 - 6, 2024

METRO TORONTO CONVENTION CENTRE, SOUTH

2024 SPECconnect event - Building Code Symposium

Our CSC London Chapter held on Monday, September 23rd, 2024, our annual SPECconnect held at the BMO Centre in London Ontario featuring the Building Code Symposium for the upcoming Ontario Building Code changes for 2024. Registration began at 8:00 am and everyone who attended enjoyed breakfast and conversation before the speakers were to begin.

Before beginning everyone in attendance introduced themselves and as the membership director welcomed

all who were members of our London Chapter and encouraged those whom were not members to consider membership in CSC.

There were two speakers on the that covered changes to the Ontario Building Code (O.B.C.) which will incorporate 77% of the 2020 National Building Code into the new 2024 O.B.C. which will come into effect in January 2025.

Starting us off was our first speaker Rhiannon Todd, P.Eng.. Rhiannon works for CodeNext Inc. based in Toronto, specializes in Plans Examination, Building Condition Assessments, and development for complex projects for commercial, healthcare, residential and industrial buildings across Canada. Rhiannon covered updates and changes to Part 3 and Part 9, navigating us through the changes and additions to the new 2024 O.B.C. up to the lunch hour.



2024 SPECconnect event - Building Code Symposium



Lunch was then enjoyed by all those in attendance with our Director Jeff Halaschewski giving us the news of the London Chapter awarded the 2024 Lloyd Boddy Chapter of the Year Award as well as upcoming dates for our local London Chapter.

The second half of the day presentation was given by Gerald Moore, CET, CBCO, CRBO. Gerald is the Chief Executive Officer for RSM Building Consultants. Gerald comes with a variety of experience in his 25 years in the building industry holding key roles as a

plan examiner, inspector, Chief Building Official (CBO) and training facilitator for both large and small municipalities. For the last 15 years Gerald has been CEO for RSM Building Consultants where he has been instrumental in supporting municipalities to enforce the Ontario Building Code.

Gerald navigated us through Part 10 (Change of Use) and using Part 11 Matrix to help navigate us through the "Change of Use" to existing buildings which helps navigate the users to the appropriate areas of the O.B.C.

On behalf of the London Chapter executive thank you to both speakers and for all those who attended making this another successful SPECconnect.



Regards,

Vice-Chair & Membership Director for the CSC London Chapter
Mark Zettler

CSC LONDON CHAPTER - TALK AND TOUR

This year's Talk & Tour session was held at London's premier commercial development, 100 Kellogg Lane. We were fortunate to have Dale McCutcheon, Project Manager for E.E. McLaughlin, the site's developer, share his extensive insights into the project's multifaceted vision.

The tour, attended by eight CSC members, commenced in the office lobby, where we delved into the rich history of the former cereal factory. Dale provided a captivating overview of E.E. McLaughlin's ambitious plans for revitalizing the property, highlighting the collaborative efforts with their partners to create a vibrant community hub.

Among the tour's standout features was the ongoing construction of the London Children's Museum. Attendees marveled at the imaginative elements taking shape, including enchanting caves, towering trees, and a charming mini streetscape, all designed to foster creativity and exploration in young visitors. With plans for a grand opening this fall, the museum aims to become a beloved destination for families in the region.



5 Most Common Types of Metal Coatings that Everyone Should Know About

By Krystal Nanan

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KEY TAKEAWAYS

It is essential to understand the advantages and disadvantages of each metal coating type to select the one that is best for your application.



For centuries, metals have been the go-to choice for multiple applications due to their durability, versatility and strength. However, among the challenges that people face when using metals, corrosion is arguably the most common and widely recognized.

Multiple solutions have been proposed to increase the longevity of metallic structures and enhance their corrosion resistance. Among them, metal coatings stand out as one of the most effective and convenient protection methods.

There are numerous methods for coating metallic surfaces, each with its own set of limitations and benefits. In the following sections we will take a detailed look at some of the most common types of metal coatings, and discuss their suitability for various applications.

How Metal Coatings Protect Surfaces and Structures

Metal corrosion is a deteriorative process that occurs under specific conditions. The most common type of corrosion occurs when metals react with moisture and oxygen to create various corrosion products. Iron, for example, reacts with water and oxygen in the atmosphere to form iron (III) oxide, or rust.

The logic behind metal coatings, therefore, is to create an inert (non-reactive) barrier around the metallic object being protected to prevent it from reacting with air and moisture.

Common Types of Metal Coatings and Their Benefits

Below, we have compiled a list of the most common types of metal coatings used across various industries, and the advantages and disadvantages of each.

1. Anodizing

Anodizing is a process used to promote the formation of a protective oxide layer on the surface of a metal. The resulting oxide layer forms more rapidly and is usually thicker than if it was produced naturally. While several non-ferrous metals can be anodized, aluminum responds most effectively to this process. (Background reading: Understanding Ferrous and Non-Ferrous Metals: Why You Should Understand These Key Differences.)

5 Most Common Types of Metal Coatings that Everyone Should Know About

Anodizing is performed by immersing the aluminum component in a tank filled with an electrolytic solution along with a cathode (usually aluminum or lead). An electrical current is passed through the aluminum, causing it to oxidize and form a protective barrier.

Anodized finishes are perhaps the easiest to maintain of all the coatings mentioned in this article. Anodized surfaces can be easily periodically cleaned using mild detergents. Finished anodized surfaces are also chemically stable and do not decompose under normal conditions, allowing for a long-lasting coated surface. Furthermore, because anodizing is a natural process, it is non-toxic and does not produce any harmful or dangerous by-products.

The most significant drawback of this process is that it is only useful on a handful of metals. This process is unsuitable for ferrous metals, which means that common materials like steel and iron cannot be anodized. Additionally, due to the processes used, the colors that can be achieved by anodizing is limited.

2. Galvanizing

Galvanizing involves immersing the metal (mostly steel or iron) in a molten zinc bath. Once removed, the coated metal reacts with oxygen and carbon dioxide in the atmosphere to form a protective zinc carbonate layer.

The galvanizing process has multiple advantages that make it a popular choice for numerous applications. For example, the zinc oxide coating is highly stable and adheres tightly to the metal substrate; it is very durable and does not flake off easily.

Galvanizing is also renowned for its galvanic protection. In other words, if the metal's surface becomes exposed due to scratches, cuts or dents, the zinc coating will sacrifice itself by corroding preferentially. This process helps protect the steel substrate between maintenance operations.

The biggest disadvantage of the galvanizing process is its cost. While hot-dip galvanizing (HDC) may be cheaper for coating large steel structures, it can be less cost-effective for smaller pieces such as nuts and fasteners. (To learn more, read [Hot-dip vs Cold Galvanizing: What's the Difference?](#)) Additionally, galvanized surfaces have a dullish grey appearance that may not be aesthetically pleasing for some applications.

3 Electroplating

Electroplating, also known as electrodeposition, involves depositing a thin layer of one metal on the surface of another metal. During electroplating, both metals are placed in an electrolytic solution. The metal to be coated acts as the anode, while the coating metal acts as the cathode. An electric current is applied to the electrolytic cell, causing metal ions to move from the cathode to the anode, thus forming the coating. (Learn more about electroplating in [Introduction to Electroplating Interview with Jane Debbrecht](#).)

Electroplating offers excellent corrosion resistance and can enhance some of the metal's mechanical properties. Electroplating also produces an aesthetically pleasing surface finish, making it ideal for coating jewelry and ornaments.

5 Most Common Types of Metal Coatings that Everyone Should Know About

However, electroplating can produce non-uniform coating thicknesses, making it unsuitable for high-precision applications. Also, the process itself has numerous requirements and is too costly to be used on an industrial scale.

Potentially toxic and harmful compounds are used as electrolytes in the electroplating process. Therefore, care must be taken when discarding electrolyte chemicals to avoid environmental contamination.

4 Powder Coating

Powder coating, as its name implies, involves coating an object with a powder-based substance. It is an electrostatic process, whereby the coating particles are electrically charged with a polarity that is opposite to the part to be coated. The difference in charge causes the powdered particles to adhere to the metal's surface. The coated object is then heat-treated in an oven to harden the coating.

Powder coatings are renowned for their durability and aesthetically pleasing appearance. Additionally, because powder coatings do not contain solvents, there are little to no volatile organic compound (VOC) emissions.

While powder coatings may be cost-efficient in the long-term, the initial start-up costs can be significant. The coating process requires special spray booths, ovens and spraying equipment. This can also limit the size of objects that can be coated.

It is also difficult, or even impossible, to achieve thin coating layers. Furthermore, the finished surface is not the smoothest when compared to other coating methods. Projects that require a coating thickness of less than six mils should rely on another coating process.

5 Paint Coating

A painted coating is essentially the application of liquid paint. It is the most accessible and cost-effective type of coating. Different paint formulations can be used depending on the type of metal, the operating environment and the performance requirements.

For industrial applications, paint coatings are slowly being replaced by other coating methods. Some paints may contain toxic elements and other volatile compounds (VOCs), making them harmful to the environment. Their durability is also lower than other coating methods, as they are likely to fade, peel or flake off due to prolonged environmental exposure.

Final Thoughts

Industries in the United States alone bear a loss of about \$7 billion every year due to corrosion. Metal coatings, if used correctly, can be effective in prolonging the service life of many metal assets. However, it's important to remember that all coatings are susceptible to failure. Therefore, it is essential to understand the advantages and disadvantages of each coating type to select the one that is best for your application.



2024 - 2025 LONDON CHAPTER EXECUTIVE

Chapter Chair	Brad Beharrell CCCA
Chapter Vice Chair	Mark Zettler CCCA CSP
Admin/Secretary	Open
Treasurer	Kees Gover
Program & Event Director	Josh Bowman CTR
Membership Officer	Mark Zettler CCCA CSP
Website Officer	Josh Bowman CTR
Media, Communications & Publishing Officer	Paul Gerber
Newsletter Editor	Meagan Kikuta
Professional Development Officer	Matthew Miller
Chapter Director	Jeffery Halashewski RSW
Officer, Specifications	Paul Gerber
Officer, Contract Administrator	Phil Lebel
Officer, Architectural Technologist	Dan Ritchie
Officer, Architect	Brad Beharrell
Officer, Engineer	Matthew Van Gilst
Officer, Manufacturer/Supplier	Josh Bowman CTR
Officer, Building Envelope	Matthew Miller
Officer, Interior Designer, Landscape Architect, Contractor and Trade Contractor	All Positions Open
Nominations Committee Chair	Matthew Miller
Awards Committee Chair	Matthew Miller

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