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# PRIME TIME NEWS

“Complexity is your enemy. Any fool can make something complicated. It is hard to keep things simple.”

Richard Branson, Virgin Inc.



## PRESIDENT'S MESSAGE

### Coatings Industry Deserves More Credit

There are many challenges faced by CPCA member companies in Canada due to the continued churn of regulations per a highly activist federal agenda as seen over the past several years. Some have referred to it as the ‘firehose’ of Canadian regulations. This has not changed. The balance of power is now held by the New Democratic Party on the left who is more likely to support an activist agenda that was already focused on a number of worrying proposed amendments to the *Canadian Environmental Protection Act (CEPA)*, for example. These amendments will be considered by a Parliamentary Committee in the House of Commons this Winter.

CPCA has done much work to ensure that current and future regulations impacting the coatings industry remain focused on evidence-based, scientific data. When that is done the industry is better off. But if the goalposts are moved in terms of assessment of chemicals being tilted toward a hazard-based assessment over risk-based it will get much more difficult. And, as always it is done in the name of sustainability.

While CPCA continues advocating for a balanced approach to public policy and regulation it is time to highlight the tremendous success of the industry on the sustainability front. Throughout the world, CPCA members have made great strides in lowering VOC emissions in architectural coatings, over 90 percent in Canada’s case. It has achieved impressive success in waste paint recycling and other important advancements. Antifouling marine coatings carry tremendous eco-efficiency benefits when applied to tankers, bulk cargo, and other vessel types reducing greenhouse gas and other emissions by an average of 9%. This is no small feat since shipping counts for an estimated 2-4% of global greenhouse gas emissions. Cool roof coatings provide value by enhancing the ability of commercial buildings and homes to regulate temperature, leading to a reduction in energy usage demonstrating energy savings between 10-70%. Corrosion-resistant external coatings for water transport improves pipeline infrastructure for

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conventional paint processes.

While many have pointed out such impressive characteristics as noted above, it may be time to double-down and take a more proactive approach to shine the light on how far the industry has come on sustainability — and plans to go. The paint and coatings industry must get more credit for its enhanced efforts on sustainability as evidenced in the 'annual' reporting of many companies. They deserve more credit for fully embracing sustainability and incorporating it into their DNA. Their corporate strategy and values now clearly reflect it. That includes both larger as well as small and medium-sized enterprises. This is aligned with the coatings industry's long-standing commitment to worker and product safety, first evidenced in the principles of Coatings Care®. The industry is now embracing more widely the United Nations Sustainable Development Goals of relevance to the coatings industry.

In terms of governance and delivery, the industry's enhanced commitment to sustainability and reporting is real. This includes increasing commitment from CEOs who are now an integral part of the effort as well as senior executives with a stronger role in the development and delivery of more sustainable practices. This is the case not only within the company but across supply chains. This is further supported by a commitment to aligning sustainable approaches with credible and recognizable standards organizations such as the Sustainability Accounting Standards Board, which also ensures more transparent Environment, Social and Governance (ESG) reporting.

None of the objectives and goals established by the UN - or elsewhere - are relevant if there is no accounting for the metrics related to the concrete or aspirational targets. So, companies are now reporting on sustainability using metrics based on previous years' baseline results such as: percentage of sales from sustainably advantaged products and processes; manufacturing locations with zero waste to landfill; waste disposal sites with no releases; reduced spills; waste and greenhouse gas reductions. There is now also reporting on metrics related to land use and biodiversity, water use, adaptation to climate change, product stewardship that includes circular economy recycling, energy use and GHG emissions (including low-level VOC emissions), sustainable approaches to innovation and product development, improved engagement with suppliers, renewed focus on regulatory compliance, and much more. Coatings companies are going beyond the aspirational to the practical and factual. That said, the aspirational goals will still be important on the road to further sustainability.

The sustainability approach, and related reporting, in the coatings industry is indeed on the right track as shareholders of coatings companies, writ large, continue to invest in the value they see in paint and coatings companies of every size, across multiple product lines. While the coatings industry has faced challenges over the past two years as many have, the commitment to sustainability and product development has not diminished. It is time those who make the regulations in the name of more sustainability give credit where credit is due. We all need to make sure this happens for a truly great, innovative and more sustainable industry all of us are proud to serve.



*For industry insights, articles, and updates  
on current issues follow or connect with me on LinkedIn!*



*Gary LeRoux, President & CEO, CPCA*

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## Conference 2022 Keynote Speaker



**Dan Bresnitz** will be the keynote speaker at CPCA's Annual Conference in Quebec City in May. He is a professor at the University of Toronto, and co-director of the Innovation Policy Lab, and the Munk Chair of Innovation at the Munk School of Global Affairs and Public Policy. He has just been appointed the Clifford Clark Visiting Economist at the federal Department of Finance. He has published several books on innovation and prosperity with the most recent entitled "**Innovation in Real Places.**" He has a unique and realistic perspective on what Canada must do to leverage its many investments in innovation in order to be among the top countries on innovation in the world.

To get a copy of his [book click here.](#)



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### Micheline Foucher Retires After 47 Years

47 years Micheline has worked for CPCA in various roles beginning when the office was based in Montreal and since 2006 in Ottawa. All in all, she has worked out of 8 separate offices. Her first job was as a receptionist and subsequently various roles with more responsibility, but in recent years as Director of Administration. Micheline has decided to move on to the next chapter in her life and many of us in the industry would like to wish her nothing but the best!

As the longest-serving staffer, by far, and most loyal, she will be missed by many. During her time at CPCA, Micheline worked under seven presidents, alongside other regional associations in existence at the time like the Ontario Paint Association, the Winnipeg Paint Association, AQIP in Quebec, and of course the ACA and members of the World Coatings Council (formerly IPPIC). She has helped organize countless committee meetings, annual meetings, and various networking events such as golf tournaments and Christmas luncheons. For most of her career, Micheline has been CPCA's main event planner for events held across Canada including the Annual Conference & AGM, semi-annual Architectural and Industrial Committee meetings, and several World Coatings Council meetings held in Canada. CPCA staff as well as many members and their spouses/partners always knew they could count on Micheline for her dedication to putting on a good show, agility, helpfulness, and jovial personality. She has seen many companies come and go mostly through consolidation and served three generations of several Canadian family-owned paint companies, several of which are still around! Micheline has dutifully ensured all necessary association administration requirements were addressed, while staff continued to serve CPCA members on the many issues before them.

Micheline will be formally recognized at the annual conference in Quebec City on May 25 and 26, 2022. If you'd like to send her a note please feel free to use the [kudos board we've created on her behalf!](#)



## HAPPY ANNIVERSARY

### BEHR Celebrates Its 75th Anniversary in 2022

From its humble beginnings as a manufacturer of wood stains from the family garage in 1947 to becoming an industry-leading coatings and applicators manufacturer. **BEHR** wouldn't be where the company is today without the passionate and colourful personalities of its people and a



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teamwork. BEHR provides 75 years of rich history filled with product innovation, geographical expansion and invested partnerships. In 2021, BEHR launched DYNASTY™ Interior Paint as its premium paint line. CPCA congratulates BEHR for this impressive corporate achievement.



## ADVOCACY REPORT

### CPCA Advocacy Efforts Supporting a Stronger Canadian Coatings Industry

- Final "VOC Concentration Limits for Certain Products" Regulations Published
- Government to Prohibit Use of Six Single-Use Manufactured Plastic Items
- Members Provided Guidance on How to Respond to Mandatory CEPA Section 71 Surveys
- CPCA Reviews Government's CMP Implementation Plan for 2021-2024
- Members Updated on Publication Status of Key CMP-3 Groups for the Paint Sector
- CPCA and WCC Members Finalizing Global Sustainability Report Platform
- CPCA's 108th Annual Conference and AGM Planned for May 25-26, 2022 at Quebec's Fairmont Chateau Frontenac
- American Coatings Show Taking Place April 5-7 in Indianapolis
- CPCA Shares Orr&Boss North America Paint Sales Forecast for 2022

**NOTE:** Members requiring further information on any items included in this newsletter can search them on the CoatingsHUB or contact [CPCA directly](#).

#### Final "VOC Concentration Limits for Certain Products" Regulations Published

On January 5, Environment and Climate Change Canada (ECCC) published its Third VOC Regulation in the *Canada Gazette, Part II*. This regulation targets 130 categories of consumer/commercial products requiring California's CARB 2010 VOC limits for automotive and household maintenance products, adhesives, adhesive removers, sealants and caulks, thinners, and multipurpose solvents. Members were provided with all the related information and compliance deadlines. Several past CPCA comments were considered in the final text. CPCA will provide members with additional materials (e.g. fact sheets, website material) when developed by ECCC.

#### ECCC Proposes to Prohibit Six Single-Use Manufactured Plastic Items

The proposed Single-Use Plastics (SUPs) Prohibition Regulations were published on December 25th followed by a 70-day comment period. They target the manufacture, import, and sale of six categories of SUPs (i.e. checkout bags, cutlery, foodservice ware made from or containing problematic plastics, ring carriers, stir sticks, and straws). ECCC plans to manage single-use plastics using a management framework; establish performance standards for plastic products to reduce (or eliminate) their environmental impact; stimulate demand for recycled plastics; and, ensure that manufacturers, importers and sellers are responsible for collecting and recycling them. The prohibition provisions for five of six single-use manufactured plastic items will take effect two years after the Final Regulations are published.

The CASE manufacturing sector is not directly affected, except for one category for those with retail operations: plastic checkout bags sold at retail. It appears that ECCC does not want to prohibit their entire use later, but ensure they are reusable. As ECCC published a final Order adding "plastic manufactured items" to Schedule 1 of CEPA in May 2021, this enables government to propose risk management measures on other plastic manufactured items, as it deems necessary, that pose potential ecological risks associated with plastic pollution. ECCC's integrated proposed approach

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is to develop more regulatory actions for other consumer/commercial categories of plastic manufactured items over the mid to long-term. CPCA fully supports other industry groups' opinion that plastic waste management is a provincial and territorial responsibility where extended producer responsibility (EPR) programs are already in place for recycling such a resource. As such, many are calling on government to work with these jurisdictions through the Canadian Council of Ministers of the Environment, and the Provinces, for harmonized EPR standards and targets rather than proceeding with unilateral prohibitions. The latter may actually compromise the current industry efforts to develop new and cost-effective recycling systems. Hopefully, the paint industry can already rely on long-established Canadian paint stewardship programs that are operated and paid for by industry as independent, not-for-profit organizations under Provincial regulations.

### **Members Provided Guidance on Mandatory S.71 Survey on Bisphenol A Analogues and Functional Alternatives**

In the context of future CMP prioritization and problem formulation processes, ECCC published a Section 71 Information Gathering Notice with respect to Bisphenol A (BPA) structural analogues/functional alternatives in the Canada Gazette at the end of 2021. Manufacturers, importers and users of any of these 188 substances are obligated to report within the next several weeks. CPCA shared additional guidance on how to submit information to the survey.

### **Members Reviews Government's CMP Implementation Plan for 2021-2024**

The CMP Implementation Plan confirms that 330 substances still remain to be assessed in the Third Phase of the CMP and that an additional 1,200 existing substances will be introduced for further scoping in a new CMP plan to be published within 2 years of Royal Assent of the reform of CEPA soon to be considered by a Parliamentary Committee for proposed amendments to the Act. The new list of substances comes from a modernization of the current IRAP process focussing on new priorities (i.e. cumulative risk assessment, vulnerable populations and other emerging issues). Bill C-28 (CEPA Reform) is expected to include additional provisions with more severe use restrictions, bans and greater use of risk management measures than seen to date.

### **Members Updated on Publication Status of Key CMP-3 Groups for the Paint Sector**

Later in 2022, the paint industry will need to closely monitor the final risk assessment and risk management approach concerning the Ketones group (MEK, MIB and 2,3-PD) and the Flame Retardants group. The development of a risk Management instrument for Benzophenone will also be discussed.

### **CPCA and WCC Members Finalizing Global Sustainability Report**

World Coatings Council (WCC) member associations are providing additional review and comments on the final publication of its Sustainability Report platform that is expected during the first half of 2022. The WCC report will highlight ongoing efforts and contributions to sustainability from companies aligned with the United Nation's Sustainable Development Goals (SDGs) and other standards organizations to provide a harmonized set of building blocks for our industry to structure and communicate sustainability actions wherever they emerge. The WCC expects that sustainability programs will be developed and implemented by individual national and regional associations in a manner that allows for consistency, comparable metrics and harmonization across the globe and enhance sustainability reporting among their respective membership. Given the fact that global sustainability financing more than doubled in 2021 compared to 2020 with sustainability-linked and green bonds leading the market, association member companies may more easily find the necessary debt financing for the development of sustainability-linked instruments and systems and other projects in future.

### **Members Invited to Attend the 108th CPCA Conference and the American Coatings Conference & Coatings Show in Spring 2022**

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for further information and how to register for, or sponsor this important association event. The **ACA Coatings Show** will also provide CCA members with extensive coatings knowledge through 90 hand-picked presentations by international experts in 16 sessions. There will be more than 1000 exhibitors at the show and more than 25,000 attendees.


### Orr & Boss North American Paint Forecast for 2022

In 2021, the global North American paint litreage rose by 2.6% and values by 10.9%. In 2022, the NA paint sales litreage will rise by 2.0% and values by 10.0%. In NA, 2021 existing home sales have finished 9% above 2020 while housing starts were up 18% and the DIY activity was down compared to 2020 but still ahead pre-pandemic levels. In 2022, the housing markets will remain strong but not as strong as in 2021 and total decorative paint gallonage sales should rise by 2%. The industrial coatings production ended 2021 at pre-pandemic levels. In 2022, all industrial paint market values are expected to grow by 7-13%.

*More details on these and other industry issues are available for members on the Canada CoatingsHUB or can be found in the Regulatory RADAR.*



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ASSOCIATION CANADIENNE DE L'INDUSTRIE DE LA PEINTURE ET DU REVÊTEMENT

# INSIGHT

CANADA'S SOURCE FOR INDUSTRY INSIGHTS!

*CPCA'S Annual Guide & Director for 2022 will soon be available. Complete with market updates, the latest on industry issues, and more...*

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## CPCA IN THE NEWS

### CPCA Press Release: Red Tape Reduction Bill Ignores Huge Increases in Ontario Government Regulatory Costs for Paint Recycling

While the Ontario Red Tape Bill proposed amendments in October stated that there will be increased transparency and improved governance for the oversight Authority (RPRA), it addresses the fact the **new recycling regulation imposes a 400% increase** on manufacturers for paint recycling in Ontario. How can red tape reduction overlook such a massive regulatory increase? Other large recycling programs like tires and electronics have also seen huge increases in regulatory costs. When the new HSP recycling regulation was announced, the government stated



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driven by high IT costs for a mandated registry, which duplicates information already provided by manufacturers via their program operators.

### Recent CPCA LinkedIn Post on CoatingsHUB

The performance of a coatings product is 100% dependent on chemically engineered formulations – all of which are developed to the highest standards, and comply with all Canadian regulations. CPCA's Canada CoatingsHUB was specifically designed to support coatings companies operating in three core areas—issue management regulatory compliance and advocacy. All three are supported with a digital substance tracking system to help preserve the integrity of formulations over the long term. It is the only digital regulatory HUB of its kind in Canada focused on issues impacting the paint and coatings industry. [Follow CPCA on LinkedIn!](#)




CANADIAN PAINT AND COATINGS ASSOCIATION

ASSOCIATION CANADIENNE DE L'INDUSTRIE DE LA PEINTURE ET DU REVÊTEMENT

## CREATING CLEANER AIR ONE TREE AT A TIME!

*CPCA is a proud supporter of Tree Canada, providing annual donations on behalf of CPCA members, which contributes to reforestation efforts across Canada and helps reduce CO<sub>2</sub> in the air we all breathe.*

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## GREEN INITIATIVES

*Coatings have numerous applications for countless substrates. What's remarkable about the environmental advances in coatings is that they are engineered to perform well under varied conditions and provide advanced performance characteristics to the finished product. This means protection from degradation such as corrosion, abrasion, high or low temperatures, ultraviolet rays, moisture, and microbes. All of these enhance the life-cycle of valuable assets and ensures improved product stewardship and sustainability.*

### TIKKURILA™ Euro Brand by PPG Introduces Packaging with Recycled Content in Russia

PPG aims to make a positive contribution to the overall reduction of plastic waste volumes by introducing product [packaging with up to 25% recycled plastics](#) and no change in end price versus standard packaging.

### Dow Backs Kenyan Recycling Program to Close Loop on Plastics Waste

Dow is working to build a [circular economy for plastics in Africa](#) by investing in Mr. Green Africa, a recycling company based in Kenya. Through the development of an app, the company will make it

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## Omya International Launched New Product Family of Calcium Carbonate to Contribute to a Circular Economy

Omya is a global producer of industrial minerals mainly derived from calcium carbonate, dolomite, and perlite. The company is using highly selected recovered material from other industries that would otherwise be disposed as waste for its **new Omyaloop product portfolio**, which includes natural and renewable and 100% recycled calcium carbonate and meets the food contact requirement EU10/2011.

## Sustainability Targets Increasingly a Priority for Executives & Four Ways Coating Materials Support UN Sustainability Goals

According to a **Deloitte survey** conducted among 2,000 executives in 21 countries, more executives have seen and are “very concerned” about climate change impacts than they were less than a year ago. To tackle **sustainability issues**, the coating sector can:

- Increase Bio-renewable Content in Coatings Raw Materials
- Reduce Energy Usage in Manufacturing or Application
- Replace Harmful Materials for Increased Protection
- Improve Performance of Low-VOC Coatings

*CPCA and its membership are Proud Sponsors of Tree Canada and participate in the National Greening Program.*

[treecanada.ca](http://treecanada.ca)



## MEMBER RECOGNITION

### BEHR Won The Home Depot Partner of the Year Award for Paint in 2021

**The Home Depot** values and rewards dedicated, knowledgeable and experienced professionals in over 2,200 retail stores in 50 states, Puerto Rico, U.S. Virgin Islands, Guam, Canada, and Mexico. All Home Depot associates have one thing in mind — helping their customers build and improve upon their homes.

### ICIS Highlights 40 Chemical Leaders Shaping the Industry in 2022: BASF, DOW, Clariant and Lanxess CEOs Ranked Among the Top 10

ICIS highlights emerging leaders in the chemical industry making a positive impact on the industry and on the environment in two key aspects - decarbonizing their own operations, and producing products that enable others to decarbonize and meet their own sustainability goals. The following CPCA member leaders' achievements and visions were recognized among the **top 10 of the 2022 ICIS of 40 Power Players**: BASF CEO Martin Brudermuller hit #1, Dow CEO Jim Fitterling #2, Clariant CEO Conrad Keijzer #5, and Lanxess CEO Matthias Zachert #9. Moreover, two other CPCA member leaders figure in the Top 40: the Brenntag CEO, Christian KohlPaintner, and the Sherwin-Williams CEO, John Morikis. BASF CEO Brudermuller was also the recipient of the ICIS CEO of the Year Award in 2021 for the launch of its 'Net Zero Accelerator' unit to speed up projects on low-carbon dioxide technologies and renewable energy. Watch for exciting changes ahead in our industry!

### Dow Earns Trio of BIG™ Innovation Awards

For the 6th consecutive year, **Dow's Consumer Solutions Business** is recognized by the Business Intelligence Group (BIG) with three innovation awards such as for the DOWSIL™ TC-2035 CV

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## Dow, PPG, Sherwin-Williams, Axalta, and Univar Make America's Most 2022 'JUST 100' Companies

Published annually by **JUST Capital**, the JUST 100 showcases 954 companies doing right by all their stakeholders in five categories which includes workers, customers, communities, the environment and stakeholders & governance. In the 2022 compilation, out of 27 companies were selected for the chemical sector. **Dow earns #1 spot in Chemicals sector**, Sherwin-Williams ranked 13th, PPG 17th, Axalta 18th, and Univar 19th compared to 27 industry peers. Additionally, Sherwin-Williams ranked #1 and **PPG #2 in the Communities category**, meanwhile **Dow hit #1 sport in the Workers and Stakeholders & Governance categories**. PPG also ranked 4th compared to all 27 industry peers for the Environment.

## AkzoNobel Recognized as a 'European Top Employer' by the Top Employers Institute

**AN was recognized** in a total of eight countries, with five repeat certifications and three new titles in the EU alone. Five of the certified countries are in Europe.

## BASF Names New President of Coatings Division

BASF named **Uta Holzenkamp as the new President of its Coatings division**. Her predecessor Dirk Bremm, took over as CEO of BASF Automotive Catalysts and Recycling in NJ.

*Read CPCA's Economic Impact Study which provides an overview of the real contributions made by the Canadian Paint and Coatings Industry to the Canadian economy.*



## CANADIAN ECONOMY

### Omicron Slowing Canada's Economic Recovery

**Canada's Real GDP grew by 0.8 percent** in October after pandemic health measures were withdrawn and should only grow by 0.2-0.3 percent in December. The manufacturing sector did well in November (rising 2.6 percent in 18 of 21 industries), despite ongoing supply chain problems which are expected to continue in 2022. The CPI reached a 30-year high in November, rising by 4.7 percent compared to 2020 and forcing the Bank of Canada to raise rates. While the economic recovery may be slower in Q1 2022, growth will quickly take hold again once the fifth wave is over.

### Fall 2021 Merchandise Trade Surplus Hit Largest Trade Surplus with the US since 2006

In October, **Canada's total exports increased 3.8 per cent** while imports were up 2.4 per cent. Exports of consumer goods climbed 9.0 percent in November. The merchandise trade balance remained in a surplus in November for the sixth consecutive month.

### What to Watch for in 2022?

**Canada's economic recovery** will remain robust but the pandemic will continue to dictate its path. Despite enviable vaccination rates, Canada's economy is still vulnerable to the emergence of new COVID-19 variants and the availability of treatments. Logistics and supply chain problems will not



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inflation should moderate as supply/demand imbalances are resolved. Financing conditions will tighten, although remaining affordable. Each new COVID-19 wave will slow Canada's immigration efforts to solve labour shortages across the country, forcing once again companies to reduce their service offerings and restrict investment, including labour-saving technology.

### **EDC: How to Price Your Import or Export Products and Remain Profitable**

The [EDC Magnet Export Business Portal](#) identifies export-related funding sources, events, trade missions, and resources.

### **NRC IRAP Celebrated 75 Years of Innovation on January 18**

The [75th anniversary highlights](#) how the NRC Industrial Research Assistance Program (IRAP) has evolved through time to become a leader in Canada's innovation space by providing technical and business advisory services, linkages to industry-specific business expertise, R&D expertise, and financial support to help Canadian SMEs' build their innovation capacity and take their ideas to market.

### **The Five Biggest Retail Tech Trends in 2022 & Traceability Systems as an Important Supply Chain Tool**

Even in 2022, customers still want in-person retail. [The five hottest shopping trends](#) are; Cashierless shopping; Experiential retailing; Autonomous delivery; Social and omnichannel commerce; Resilient and secure retail. Supply chain disruptions highlight an important need for companies to track products through every step. Traceability systems are tools that investors should require from companies for supply chain accountability.

### **Queen's Chemistry Gets CAN\$24M Federal Boost for Barrier Coatings Research**

Through the [New Frontiers in Research Fund: Transformation Stream](#), the Feds have committed \$24 million to a Queen's University-led research poised to "extend the lifespan of metals using unique molecular coatings that could save billions of dollars on maintenance across a number of sectors."

### **PPG Supporting the E-commerce Boom with Coatings**

Direct-to-consumer shipping is growing at an unprecedented pace, [creating a greater need for warehousing infrastructure](#) to turn to robotics and automation to increase efficiency. It is more critical than ever that the standard coatings specifications (i.e. general concepts related to paint types, substrate protection, color and finish, cure) be established for shelving and racking manufacturers in order to better select the right coating system and quickly respond to performance demands.

*CPCA's Monthly Report covers recent global mergers and acquisitions and various commercial agreements within the CASE industry and multiple sectors. Members are encouraged to access the Report on the Canada CoatingsHUB.*

*Read the Monthly Report*



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- Advances in Green Chemistry
- Supply Chains of Tomorrow
- R&D and Sustainable Development
- Regulations and Sustainability
- Smart Coatings Innovation



## TECH INNOVATIONS

### New Antibacterial, Antifungal, and Antiviral Coatings

- Cu-coated Masks Show Potential to Kill SARS-CoV-2 Virus**  
 University of Waterloo engineering researchers investigated how six different thin copper-based metal and oxide coatings interacted with a virus genetically related to SARS-CoV-2. The coatings were tested on glass and N95 mask fabric.
- New Antiviral/Antibacterial Coating Applicable on Varied Surface Types**  
 Japanese researchers developed a coating made of a phthalocyanine metal complex and cellulose acetate expected to add antibacterial and antiviral effects to various types of surfaces.
- Eco-friendly Antifungal Coatings Developed by Curing Natural Seed Oils on Wood**  
 The new antifungal coatings are based on natural seed oils, tung, linseed and soybean. Mixed seed oils show more efficient curing, 2X faster than soybean and linseed oils, and a much better inhibition of growth.

### Spray-on Ice and Snow-shedding Coating for Solar Panels

**Michigan University-led research team** developed an inexpensive, clear coating that reduced snow and ice accumulation on solar panels, enabling 85 percent more energy generation.

### Smart Roof Coating Keeps Houses Warm in Winter, Cool in Summer

**Berkeley Lab scientists** developed an all-season smart-roof coating without consuming natural gas or electricity. The technology outperforms commercial cool-roof systems in energy savings.

### Glass-Infused Concrete Promotes Better Insulation

Researchers found that concrete produced with **ground-up recycled glass** increases insulation properties significantly versus traditional concrete mixes.

### Surfactant-free Latexes as Binders in Paint Applications

**Surfactant-free latexes** are stabilized with sodium styrene sulfonate as binders, which have the potential to replace surfactant stabilized latexes in waterborne coatings.

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Self-healing Polyurethane Coatings  
Renewable materials were used for the development of microcapsules-based self-healing anticorrosive polyurethane coatings. The microcapsules are synthesized from cardanol as a shell monomer and linseed oil as a healing agent.

### Enhancing Properties of Polyacrylate Coatings

The incorporation of **metal ions into polyacrylate coating** shows great potential in enhancing their performances and providing additional functionalities.

### Graphene-enhanced Primers and Anticorrosion Additives Launched

Graphene enhances **barrier and anti-corrosion coating performance**. Using a combination of graphene with traditional, sacrificial additives, a newly-formulated metal-free and VOC-free hybrid range maximizes synergies across complementary systems to offer an unrivalled level of surface protection against corrosion.

### Polymer Upcycling of Common Plastic Adds Toughness, Recyclability to Structural

Adhesives **Oak Ridge National Laboratory researchers** used polymer chemistry to transform a common household plastic into a reusable adhesive with a rare combination of strength and ductility.

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## INTERNATIONAL NEWS

### Market Research Reports

Now available on the **Canada CoatingsHUB for Members Only**

**Other CPCA Statistics and Research for Members on the Canada CoatingsHUB**

### CPCA Monthly Reports on M&A and Distribution Agreements

Each month CPCA updates recent **M&A activity as well as various commercial agreements by members** and others in the industry of interest to all members. The current list for October 2021 is available on the Canada CoatingsHUB (For Members Only)

*CPCA has compiled international market research reports for 2025-2029 for multiple market segments.*

*View the Reports*



## SHARE THE NEWS!

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