

PRIME TIME NEWS

"I believe the decarbonizing of the global economy is going to create the greatest investment opportunity of our lifetime "

Larry Fink, CEO of BlackRock, the World's largest Fund Manager



PRESIDENT'S MESSAGE

The Federal Government seeks to 'modernize' the Canadian Environmental Protection Act (CEPA) under the recently tabled Bill S-5 in the Senate. The coatings industry and all chemical industries cannot ignore it. New regulations under this Act are expected to be completed by the House of Commons in December 2022. CEPA is the main legislation imposing significant compliance requirements on chemicals sold in Canada. It is very clear there is a strong desire to increase bans and place new use restrictions on chemicals in Canada, often without scientific data to do so. Moreover, many of the additional amendments proposed by the Senate go well beyond the intended scope of the 'modernization' effort. Worse than that, it seeks to do so without concern for what the science dictates with respect to managing the risks of chemicals in commerce.

If science does not prevail in chemical assessment, as it must and has for many years in Canada, what we have left is the politicization of Canada's chemical assessment approach. The kudos Canada's chemical assessment approach received over many years by other countries, with some even adopting the approach, will cease. It all sounds so familiar with respect to federal decisions of late, but one would never have expected it to be applied to Government decision-making that is normally based on comprehensive peer-reviewed scientific data. Instead, much of the recently proposed amendments in the Senate go well beyond what the Government intended and based only on one or two scientific views to support such an agenda.

In the Federal Government's consideration of the modernization of CEPA thus far there has been little consideration of what the chemical industry has achieved over the past 20 years in terms of product stewardship and sustainability. It seems as if time has stood still. The advocacy groups with a very specific agenda promotes the idea that chemicals are bad, getting worse and the current regulations are not working. They

vigour. In fact, a recent report done by a widely respected research organization (PWC) and acknowledged by the Federal Government, noted that there were more than 50,000 chemical regulations in Canada. Those who work in the chemical industry know first-hand that these regulations cover many facets of chemical management related to worker safety, transportation and storage of chemicals, product stewardship, product labelling, air quality, and the list is long! Thus, the chemicals in commerce in Canada today are safe to use. And the Federal Government continues to assess thousands of chemicals, in close collaboration with industry, to ensure that they continue to be safe.

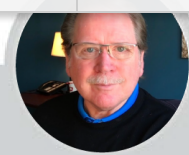
One chemical sector, the coatings/adhesives/sealants/elastomers, besides being fully compliant have advanced greatly improved product stewardship and sustainability over the past 20 years! Yet, there is no acknowledgment of the great strides made in chemical assessment by those now seeking to arbitrarily ban or restrict chemicals. One need only look at the sustainability reports of coatings companies around the world to see what they have achieved and the future environmental goals they have committed to at the highest levels of their organizations. Many of those plans relate to the UN's ESG goals and their commitment to their company's plan to move toward achieving net zero in the coming years. These include initiatives to become carbon neutral, use more renewable energies, increased use of bio-based materials, increased recycling initiatives across the board, and 'many' more.

There are too many initiatives to mention in this short space. For example, architectural coatings in Canada have reduced VOC emissions by over 90% and the Federal Government's own study confirmed a reduction of 42,000 tonnes of emissions over the past 15 years, the equivalent of 325,000 cars taken off the road. Since 1990 coatings manufacturing emissions have fallen by over 90% according to Canada's National Pollutant Release Inventory (NPRI). Antifouling marine coatings reduce fossil fuel consumption and prevent invasive species from entering critical freshwater ecosystems. Manufacturers pay 100% of the costs of recycling an average of 20 million kilograms of paint in Canada annually, enough to paint over 500,000 homes a year. There are innovative coatings to cool buildings and increase energy efficiency with anti-reflective coatings, roof and wall coatings.

It's unclear what the 'modernization' of CEPA means in terms of adding more regulations to the 50,000 already in place. If more are to be added they must be necessary and based on scientific data. It must not be done just to harm the coatings and larger chemical manufacturing sectors in Canada, which contribute more than \$20 billion in economic impact annually, with good jobs for Canadians. There are often unintended consequences caused by regulation, especially when done in the absence of clearly established, evidenced-backed outcomes. The standard for any new regulation as set by the Government of Canada's own regulatory principles must be heeded, that is: "Regulatory decision-making is evidence-based: Proposals and decisions are based on evidence, robust analysis of costs and benefits, and the assessment of risk while being open to public scrutiny." Let's hope the consideration of the proposed amendments to CEPA finally embrace this key principle.



Gary LeRoux, President & CEO, CPCA



HAPPY ANNIVERSARY

WCC Member BCF Celebrates 110th

The British Coatings Federation (BCF) has launched an online archive as part of celebrations marking the 110th year since the inaugural meeting of The National Federation of Associated Paint, Colour, and Varnish Manufacturers of the UK. Among the association, most recent initiatives and achievements are BCF UK members' commitments to join other sectors in pledging to achieve the Net-Zero roadmap by 2050 and a 75 percent leftover paint recycling target by 2030. BCF also launched a sustainable coatings campaign at the end of 2021 and will develop a new program called 'sustainable by design' and an 'essential coatings campaign' to be launched in September 2022. CPCA congratulates BCF for its 110th anniversary and current implication to further promote sustainable practices in the industry, regionally and internationally.



BCF
British Coatings
Federation



WELCOME NEW MEMBER!

Reda Chemicals

RED A Chemicals is a leading chemical distributor providing business-to-business solutions for users of industrial and specialty chemicals operating 40 sales offices and 35 warehouses & logistic centers in 30 countries. Through their team of over 600 professionals and technically oriented experts, they offer innovative solutions to a wide range of markets including paint and coatings, inks, adhesives and building materials. RED A Chemicals is part of the RED A Group. RED A's business in Canada is located in Calgary and Grand Prairie, Alberta. RED A is committed to fostering long-term partnerships with suppliers and customers alike. RED A is associated with global technology leaders with established products, services, manufacturing and R&D facilities. Through close collaboration with their partners and their proactive sourcing capabilities, the company provides a broad range of products, innovative services and tailored solutions to meet unique requirements. Whether hazardous or non-hazardous, liquid or solid, bulk tanked, drummed or bagged, RED A guarantees the safe, professional and competent handling of your chemical products. RED A recently participated in the PaintIndia show and in the CPCA Annual Conference in May 2022.

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Dempsey Corporation

become a full-service distributor of specialty products with branch offices across Canada, the US and France and a world class supplier offering the best quality industrial raw materials to the Paint, Coating, Plastic, Adhesive, Sealant and Construction manufacturers in Canada. Their select group of specialty ingredient suppliers have been carefully chosen to offer a comprehensive range of quality ingredients. Dempsey's strong formulation expertise ensures a smooth and efficient product development process where required. Dempsey has built its business on strong customer and supplier relationships and its unwavering focus is on offering the highest possible level of service. The ISO certification for Dempsey's facilities ensures a level of quality and regulatory compliance that government bodies and their customers have come to expect with the safe storage and shipment of their products.



Korzite Coatings

Korzite Coatings provides complete industrial paint and coatings solutions for its customers. Since 1960 Korzite Coatings has been a paint manufacturer in Guelph, Ontario surrounded by the booming industrial activity in the Golden Horseshoe and Greater Toronto Area. Korzite takes pride in providing high-quality paint and coating solutions for a wide range of industrial applications. Its solvent and water-based industrial product lines are tailored for metal fabricators covering a wide array of industries ranging from agricultural equipment to structural steel.



In 2021 Korzite acquired Seal King Inc. a concrete and paving stone sealer manufacturer. In its 25-year history, Seal King has become a leading brand in the stone sealant industry and Korzite is proud to be carrying on the tradition of quality products and service that Seal King has established.

Whether it be unique warehousing challenges, packaging issues, manufacturing standards, or formulation requirements, Korzite is ready to adapt to customer needs and stay ahead of technological change.



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CPCA's Annual Guide and Directory — **INSIGHT** — is Canada's trusted source for insights on the coatings industry, CASE sectors, and regulatory development. The publication provides an overview of regulatory changes that have occurred in the past year and an advocacy report of CPCA's actions and outcomes.

INSIGHT also features articles on subjects of key interest to the industry. Often focused on industry challenges, technological advances, or sustainability and EPR initiatives that are shaping the future of the paint and coatings industry.

INSIGHT is published yearly and mailed to a national and international database of CASE leaders in the industry, including manufacturers of architectural, automotive, and industrial coatings; suppliers and distributors of raw materials; equipment manufacturers, and companies with an economic interest in sustaining a strong coatings industry and the people working in it. Other subscribers include national and international associations and government agencies such as Health Canada and Environment and Climate Change Canada. And, of course, many readers online. With a hard copy readership of approximately 3,500 in the industry, advertisers have the opportunity to expand their brand's reach and market directly to industry leaders and stakeholders who matter. Advertising opportunities are open to non-members and members of CPCA. **Elevate your Brand and Advertise in INSIGHT!**

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ADVOCACY **REPORT**

CPCA Advocacy Efforts Supporting a Stronger Canadian Coatings Industry

- CEPA Modernization (Bill S-5) Will be Reviewed by the House of Commons Committee in the Fall
- Health Canada Proposes a Mandatory Risk Management Instrument for MEKO in CASE Products
- Final Amendments Made to Surface Coatings Materials, Toy and Cribs, Cradles and Bassinets, and Playpens Regulations
- Four Restricted Components Including Acetone and Aluminum Powder Added to the Explosives Regulations List
- Government Releases 2022-2030 Federal VOC Emission Reduction Agenda
- Orr & Boss Shares North American and Global Paint Forecast for All Coatings Sectors with CPCA Members
- In Partnership with ACA Chemquest Launches New Interactive Dashboard and Forecasting Tool for Global Paint and Coatings Industry Under a Subscription Model

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

Ontario Consults on New Supply Data Verification Process for Products Sold in Ontario

The Oversight Agency RPRA believes that it is necessary under the MECP's HSP Regulation to introduce a new data verification process. RPRA has repeatedly stated that they act based on their 'interpretation' of the regulations and that it is the MECP's responsibility what happens under the regulation. Therefore, one can only conclude that RPRA's 'interpretation' always ends up being more costly for manufacturers **without** increasing waste recovery outcomes, which is the intent of the regulation. CPCA recently reiterated its previous concerns with excessive regulatory costs directly to MECP; costs and administrative burdens keep increasing for industry with no added recycling benefits for the Government or Ontarians. (Members can access the submission [here on the Canada CoatingsHUB](#)).

Proposed amendments for Bill S-5 Will be Reviewed by a House of Commons Committee in the Fall

On June 22, Bill S-5, the modified CEPA bill, passed Third Reading with 60+ proposed amendments, several of which are troubling for a reliable risk-based chemicals assessment process. Over the past number of weeks, the Senate committee was only able to meet 13 times, a very rushed and inadequate amount of time for a bill of such complexity. Several Senators expressed concerns with the limited amount of time provided and the lack of information available to properly analyze and debate the bill. It begs the question as to why the Senate proposed so many amendments, which Government officials and others believe go well beyond the scope of the Bill and thus will be legally challenged. Industry will continue to challenge several of the rushed amendments prior to the bill being cleared in the House of Commons and returned to the Senate for Royal Assent. It is hoped actual 'sober second thought', a tag reserved for the Senate in the past, will now emerge in the House of Commons Committee with elected representatives reviewing the Bill. The CEPA amendments are targeted for adoption by the end of 2022.

Health Canada recently proposed a new mandatory risk management approach, which will virtually ban the use of MEKO (2-butanone oxime) in consumer and dual-use interior paint products. It will also impose other very restrictive MEKO concentration limits to an expanded list of consumer products such as exterior paint, exterior/interior adhesives, sealants, and silicone products. These additional products were not part of the final risk assessment and risk management approach published in the initial Code of Practice. The newly proposed limits appear generally lower than the necessary concentration to ensure product performance thus making it a de facto ban. A lot of uncertainty persists among Health Canada risk assessors regarding the current availability and acceptability of cost-effective alternatives for MEKO. As such it does beg the question why proposed amendments to CEPA under Bill S-5 would even want to employ a mandatory substitution approach for chemical assessment when not even Health Canada can assess whether or not such alternatives are feasible. Such an approach must be removed from Bill S-5 altogether even though many companies continue to spend millions of dollars seeking more sustainable alternatives in products.

Final Amendments Made to Surface Coatings Materials, Toy and Cribs, Cradles and Bassinets, and Playpens Regulations

The Final amendments to the SCMR and four other regulations (including the *Expansion Gates and Expandable Enclosures Regulations*) set new requirements for applied coating materials and address issues for consumer products. Among them, are the amendment of the SCMR to expand the meaning of a surface coating material to include those that do not “dry” on application and the application for other decorative coating materials to include stickers or film as well as apply the 90 mg/kg total lead limit for applied coating materials to all furniture, and not only children’s furniture products.

Four Restricted Components Including Acetone and Aluminum Powder Added to the Explosives Regulations

The final amendments were recently published in the *Canada Gazette Part II*. They aim to ensure public safety and to strengthen the national security regime for restricted components by updating its list of 10 restricted components to include four more chemicals of concern. Two of them implicate some members of the paint industry. Part 20 of the Regulations is amended, which generally restricts the acquisition and sale of restricted components and sets out the requirements for their sale and secure storage.

Government Releases 2022-2030 Federal VOC Emission Reduction Agenda

ECCC recently confirmed in the *Canada Gazette Part I*, its planned actions for the industrial and commercial activities related to reducing VOC emissions. The Agenda includes amending the current VOC Architectural and Automotive Refinish Coatings Regulations at the beginning of the 8-year period and developing new risk management instruments for industrial and commercial adhesives and sealants products. The federal government will also conduct studies and gather additional information to evaluate potential emission reduction opportunities for two other high-volume coatings sectors. When this proceeds it is critical that there be strong collaboration with industry on what is in the realm of possibility. This will ensure

invasive species, etc. It must not be an academic exercise. It should also be noted that the coatings industry has already reduced VOC emissions by 94 % over the past 15 years in Canada and the Federal Government's own study showed that more than 42 kilotonnes of emissions were reduced in that time, equivalent to more than 325,000 average sized cars taken on the road annually.

Orr & Boss Shares North American and Global Paint Forecast For All Sectors with CPCA Members

Despite a global paint volume downgrade, continued price increases are forecasted to increase from 12.8% to 13.5%, according to Orr & Boss's May value forecast. In North America, interest rate increases are slowing the housing market and are having an impact on decorative and other building & construction markets. In the US, industrial production is running about 5.6% above 2021 levels, but it is starting to slow and will likely slow throughout this year. Production may continue to rise even as end-use demand falls with manufacturers continuing to re-stock their supply chains. The raw material pricing and availability situation is difficult but there is some modest improvement. Freight and logistics are still problems, but for the first time in the last 18 months Orr & Boss notes that it is not getting worse; and most importantly pricing has stabilized. Availability is gradually improving but still not back to normal levels. Inventory positions of the paint & coatings companies are still 13% below pre-pandemic levels and will likely be another 2-3 quarters before supply normalizes completely.

Chemquest in Partnership with ACA Launches New Interactive Dashboard and Forecasting Tool for Global Paint and Coatings Industry Under Subscription Model

The new tool, **Coatings TraQr™**, combines input data relative to key market consumption, macroeconomic indicators, and raw materials. TraQr™ enables you to identify, analyze, and forecast market trends, leading to more strategic, data-driven decision-making for purchasing, pricing, expansion, cost savings, and development. Other vertical industries will be introduced in the future.

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

Not a CPCA Member? Join CPCA Today!



CPCA IN THE NEWS

Chemwatch Quotes CPCA CEO in Article as CEPA Reform Bill Clears Canadian Senate

Canada's Senate has passed a measure to overhaul the *Canadian Environmental Protection Act* (CEPA), bringing the bill a step closer to modernizing the decades-old chemicals management statute with changes several years in the making. Industry representatives think the current version of the legislation goes too far in catering to environmental priorities. **Gary LeRoux, president and CEO of CPCA, blasted the Senate proceedings** which usually occur after House passage but were done first, in this case,



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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 ensure improved product stewardship and sustainability.

PPG Achieves Industry First with Launch Retroreflective Powder Coating

Prior to the product launch, retroreflective items such as pavement markings, road signs and safety vests were only possible with liquid paints, tapes and fabrics. Now, **retroreflection can be achieved with a powder coating** that works by embedding retroreflective glass beads into the powder's surface which redirect maximum light to improve how quickly and clearly an object can be spotted ahead.

AkzoNobel Launches Industry-first Tool to Drive Bodyshop Sustainability

The tool is the latest digital innovation from **AkzoNobel** focused on identifying carbon levels associated with the painting and drying process—including the energy consumed—. It is linked directly to the vehicle refinishing products being used and provides data on the emission of VOCs.

Axalta Develops Halogen-free Flame Retardant Thermoplastic Anti-corrosion Solution

Axalta announced the launch of **Plascoat PPA571 FR**, a new anti-corrosion coating solution responding to the dual threats of fires and toxic fumes posing a major threat to human life and well-being. Such coatings, which can be deployed in a range of environments, are fire-resistant and act as a barrier to additional damage caused by the spread of flames. Unlike many other solutions, it does not contain a halogen constituent, such as chlorine or bromine.

Confoil and BASF Cooperate to Develop Certified Compostable Dual Ovenable Paper Tray for Packaging of Ready-to-eat Meals

The Australian food packaging manufacturer **Confoil and BASF** have cooperated to develop a paper tray that is coated on the inside with BASF's ecovio® PS 1606, a partly bio-based and certified compostable biopolymer especially developed for coating food packaging made of paper or board.

Dow Europe Drives Towards Sustainable Paints and Coatings

In a recent report, Dow has established that for satin paint, the overall performance of biobased binders is better compared to three EU benchmark binders, meanwhile, a similar performance was found for matt paint. The lifecycle analysis also indicates the biobased binder reduces the requirements for TiO₂.

European Coatings Publishes Tech Report on Sustainability 2022

Making coating systems more **environmentally compatible** is a burning issue for everyone in the industry. Learn how to produce coatings in a more environmentally friendly way and how to give coated products longer service life.

Biobased Coatings: Collaboration at the Intersection of Innovation, Ecology, and Economics

Successful bio-coatings have long moved, past formulating for low VOCs. Today the intersection of systemic energy and resources saving strategies, renewable resources, lower prices, manufacturing consideration, and waste minimizations across the board are the new paradigms. Performing a holistic sustainability assessment coupled with realistic cost parameters and product targeting will enable the coating industry to develop viable, long-lasting bio-coatings.

examined in this paper offer lower total **GHG contribution** compared with alternatives to plastic in 13 of 14 cases.

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

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MEMBER **RECOGNITION**

If you or your colleagues have important information to report about your company such as awards or special recognition, please inform CPCA

Sherwin-Williams Named Astros Official Paint Partner

American Major League Baseball team, the **Houston Astros**, announced global coatings manufacturer The Sherwin-Williams Company as its official paint partner. Completed 22 years ago, the steel at Minute Maid Park was originally coated with Sherwin-Williams. Recently, the team began to repaint the steel which will take four years to complete.

PPG Names Infrastructure Segment Director, Protective and Marine Coatings

PPG has appointed Kevin Morris as Infrastructure Segment Director of its protective and marine coatings business in the US and Canada. He will be responsible for the growth and profitability of the segment, which focuses on water/wastewater, bridge restoration and other applications for PPG's polyurea and epoxy coatings.

Akzo Nobel Names Poux-Guillaume as New Chief Executive

Dulux paint maker Akzo Nobel named French businessman **Gregoire Poux-Guillaume as its new chief executive**, with effect from Nov. 1. Poux-Guillaume, 52, will take over from incumbent Thierry Vanlancker when his term ends.

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**

Headwinds Rising, but Canadian Economy Continues to Perform: All eyes remain laser-focused on inflation

and **8.1 percent (y/y) in June** (5.3% when excluding food and energy prices). Despite the **Bank of Canada** rate hikes to combat Canada's spiraling inflation, businesses continue to see strong demand, and the unemployment rate is at a new record low (4.9%). Home sales are down the worst result since **April 2020**. The poor performance of the housing sector, which represents about 13% of the Canadian economy, subtracted 0.1% from GDP. The loonie has begun to slide. Fears of a global recession are gaining momentum. Industrial price products should rise 13.9% this year, 1.7% in 2023. As the cost of living rises, higher wage growth may add fuel to the fire and create a wage-price spiral.

Conference Board of Canada: Canadian Manufacturing Sales Fell by 2.0 percent (m/m) but Rose by 22.1 Percent (y/y) in May

Even on the back of rising prices, nominal manufacturing sales fell in May. However, manufacturing output growth is slowing but not expected to turn negative this year. As recessionary winds blow stronger, the near-term risks are tilting to the downside. After accounting for price effects, **manufacturing sales volumes fell by 3.9 percent (m/m)**. Nominal sales grew in 10 of the 21 manufacturing subsectors (petroleum and coal and machinery manufacturing contributed the most). Transportation equipment experienced the sharpest decline. New orders fell by 7.1 percent, while unfilled orders fell by 0.8 percent. The idea of “friend-shoring,” or securing supply chains among countries with similar values, may influence Canadian manufacturing and trade in future while protectionism can also add to inflationary pressures and may be a hard sell in the short-term.

Canada's Trade Surplus Rebounds While Supply Chains Adjust to the New Normal

Merchandise exports rose 4.1 per cent (m/m) in May, for the fifth consecutive month, while imports decreasing 0.7 per cent. With Russia's invasion of Ukraine, the effect on Canada's trade balance has been reflected in increased demand for exports and much higher prices paid for commodities. **The disruptions of normal seasonal buying patterns point to continued swings** in trade results in the months ahead. Due to the Chinese government's zero-COVID stance, widespread mobility restrictions might further disrupt supply chains in the near term.

Understanding EV Trends and Their Impact on the Collision Claim Industry

Sales of electric vehicles (EVs) **grew by 85 percent in 2021** while sales of light-duty vehicles increased by just 3 percent over the same period. As more consumers embrace EVs and more automakers promise an all-electric line-up, insurers and repairers must prepare for dramatic changes to the way they manage collision claims.

Assembling EV Motors With Adhesive

In today's late-model vehicles, more than 30 motors are typically used to power a variety of applications, including ABS pumps, central locking systems, exterior mirrors, etc. Electric motors are typically assembled with adhesives, as they provide impact resistance and vibration-damping characteristics for noise reduction. Adhesive bonding is a great joining option.

What Does the Metaverse Mean for Manufacturing?

corporations hype the metaverse as the Next Big Thing.

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



TECH INNOVATIONS

Graphene-based Coatings Development

- **Graphene Technologies to Fight Air Pollution**

Researchers created a **new graphene-titania nanocomposite** that when applied as a coating can passively remove air pollutants. The composite in powder form can be applied to different materials.

- **Anti-Abrasive, Graphene-Enhanced Architectural Paint**

A **nanotechnology company** pioneering advanced graphene-enhanced materials for industrial applications has created a new water-based architectural paint that appears significantly more durable and resistant to abrasion than traditional paints.

- **New Process Turns Mixed Plastic Waste Into New Car Parts**

The average US car now contains hundreds of kilograms of plastic that end up in landfill. **A new process could convert those waste plastics into graphene** that can be used to create new chemical recycling of mixed plastic waste is both technically feasible and environmentally and financially promising.

- **New Patented Anti-Viral Coating Developed by India Researchers**

This notably **cheap-to-make anti-viral spray coating** uses graphene extracted from discarded plastic. Industrial-scale testing is underway.

Thermo-reversible Self-healing Coatings

- **New Self-healing Coating with Weather-resistant Capabilities**

Mechanical engineering researchers designed a **novel thermoplastic polymeric material** that is self-healing and can withstand extreme weathering conditions. It is ideal for coating aerospace vehicles and watercraft, as it protects the surface from damage from debris, UV and water corrosion. If damage/abrasion occurs, the material could be repaired by increasing the temperature.

- **Polymeric Coatings Derived from Gum Rosin**

The growing demand for the development of bio-based, greener, and more sustainable polymeric systems inspired the development of two bio-based thermo-reversible polymers derived from **gum rosin of pine trees**. The material shows self-healing capabilities due to its thermo-reversibility.

waterborne polyurethane coatings separately to enhance decay resistance of biocide-free coatings.

Improving the Anti-Graffiti Property of Castor Oil-based Waterborne Polyurethane

Researchers have improved the [property of castor oil-based waterborne polyurethane](#) by using polyhydroxy sapium sebiferum oil as crosslinking agent. It can show good anti-graffiti performance.

Researchers Develop Water-resistant Food Containers from Recyclable Nanocellulose

[UMaine researchers](#) have developed containers out of recyclable wood composites with a new coating made of lignin-containing cellulose nanofibrils, which improves the quality of the containers for takeout purposes while allowing the container to be properly recycled.

Manufacturer Offering New 20 Kg Collaborative Robot (Cobot)

Not just a bigger version of existing cobots, the new redefined [UR20 cobot](#) has a new joint design that allows for faster cycle times as well as the ability to handle heavier loads. It will transform the way businesses package and palletize and can be used for welding, material handling, machine loading and machine tending.

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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 is available on the Canada CoatingsHUB \(For Members Only\)](#)

CPCA has compiled international market research reports for 2026-2030 for multiple market segments.

[View the Reports](#)





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