

# PPG Provides National Hockey League with Thermo-chromic Puck Coatings for 2019 Bridgestone NHL Winter Classic

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PITTSBURGH--(BUSINESS WIRE)-- PPG (NYSE: PPG) and the National Hockey League (NHL®) today announced that official game pucks featuring thermo-chromic coatings supplied by PPG will be in play at the 2019 Bridgestone NHL Winter Classic® at Notre Dame Stadium on New Year's Day.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20181210005086/en/>



PPG provides the National Hockey League with color-changing puck coatings for the 2019 Bridgestone NHL Winter Classic. The advanced coatings change from purple to clear when a puck's temperature is above freezing, providing a visual indication to officials that the puck should be replaced. (Photo: Business Wire)

game puck.

"Working closely with our technology partners, LCR Hallcrest and QCR Solutions Corporation, we've been able to offer a smart and elegant solution to a problem that can significantly impact game play," said Alicia Cafardi, PPG senior marketing communications manager, industrial coatings. "The custom dye pigment that changes color with temperature was developed specifically for this application on hockey pucks, but the solution represents an opportunity for other applications where an easy, visual reference could serve to improve the performance or use of an object."

PPG is the Official Paint of the NHL. The company's paint products and coatings have a prominent presence throughout professional hockey, protecting and beautifying hockey arenas from Los Angeles to Pittsburgh and across Canada. In addition, PPG coatings help to reduce chips and wear on hockey equipment, including [goal posts](#).

## About LCR Hallcrest

LCR Hallcrest is an international manufacturer of color and chemical changing temperature measurement labels, indicators and graphics with in-house design, development and manufacturing capability that offers solutions for unique temperature identification problems.

## About the NHL

The National Hockey League (NHL®), founded in 1917, consists of 31 Member Clubs, each reflecting the League's international makeup with players from more than 20 countries represented on team rosters, vying for the most cherished and historic trophy in professional sports – the Stanley Cup®. Every year, the NHL entertains more than 670 million fans in-arena and through its partners on national television and radio; more than 151 million followers – league, team and player accounts combined – across Facebook, Twitter, Instagram, Snapchat and YouTube; and more than 100 million fans online at NHL.com. The League broadcasts games in more than 160 countries and territories through its rightsholders, including NBC/NBCSN and the NHL Network in the U.S., Sportsnet and TVA in Canada, Viasat in the Nordic Region and CCTV and Tencent in China. The NHL reaches fans worldwide with games available online in every country including via its live and on-demand streaming service NHL.TV™. Fans are engaged across the League's digital assets on mobile devices via the free NHL® App; across nine social media platforms; on SiriusXM NHL Network Radio; and on [NHL.com](#), available in eight languages and featuring unprecedented access to player and team statistics as well as every regular-season and playoff game box score dating back to the League's inception, powered by SAP. The NHL is committed to building healthy and vibrant communities through

The advanced coatings change from purple to clear when a puck's temperature is above freezing, providing a visual indication to officials that the puck should be replaced. The coated pucks will be tested at NHL tentpole events during the 2018-19 season and will be further evaluated for broader use in the future.

"Hockey pucks are made of vulcanized rubber and glide smoother and faster when frozen," said Dan Craig, NHL Vice President of Facilities Operations. "Freezing a puck eliminates bouncing, and game officials closely monitor the puck for temperature changes that affect performance while in play. A coating that changes color when the puck is above freezing will more accurately alert the officials that it is time for a replacement."

Thermo-chromic coatings supplied by PPG meet the NHL's requirements for withstanding game-environment impacts and low temperatures without impacting adhesion. The coating is dispersed into an ink system and screen printed directly onto an official NHL

the sport of hockey by increasing youth participation and engagement; fostering positive family experiences; promoting inclusion, positive culture and leadership; and supporting sustainable community impact.

**PPG: WE PROTECT AND BEAUTIFY THE WORLD™**

At PPG (NYSE:PPG), we work every day to develop and deliver the paints, coatings and materials that our customers have trusted for 135 years. Through dedication and creativity, we solve our customers' biggest challenges, collaborating closely to find the right path forward. With headquarters in Pittsburgh, we operate and innovate in more than 70 countries and reported net sales of \$14.7 billion in 2017. We serve customers in construction, consumer products, industrial and transportation markets and aftermarkets. To learn more, visit [www.ppg.com](http://www.ppg.com).

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