

POWDER COATING

March 2010

Visit our Web site at [www.pcoating.com].

Lug nuts are coated with Dormant Sparkle Copper in a two-coat process: the basecoat and a clearcoat. Powder coatings from TIGER Dry-lac USA, Ontario, Calif.; 909/930-9100, [www.tiger-coatings.us]. Photo of powder-coated lug nuts courtesy of Absolute Powder Coating, 202 Grotzinger Rd., St. Marys, PA 15857; telephone 814/781-1160 or visit the company's Web site at [www.absolutepowdercoating.com].



ISSUE FOCUS: AUTOMOTIVE POWDER COATING

12 AUTOMOTIVE SHOWCASE: From wheels to doors to chassis, powder coating continues its race along the roadways.

These custom coaters' photos feature the capabilities of powder coatings in the automotive world.

14 Emerging technology: Thin powder color topcoat: Powder coating process for small parts in bulk production

Dan Riter

An innovative bulk production process incorporates a proven thermal diffusion coating method suitable for mass finishing of small- and medium-size parts with powder coatings. Film thicknesses under 1.0 mil can be achieved with the process, which is suitable for powder coating small parts for the automotive industry.

18 Update: Products used in automotive powder coating

INFOFILES

10 Infrared oven equipment

11 Conveyor cleaners

GENERAL ARTICLES

20 Show preview: American Coatings Show 2010, April 12-15, Charlotte, N.C.

22 Architectural powder coating projects, part 3: Contract metal finishing—say what you do, do what you say, and be prepared to prove it

Michael W. Cravens

This article is the third, and final article, in a series targeting powder coating of products in the architectural market.

TROUBLESHOOTING

26 Pretreatment problem solver: An expert answers your questions.

Brad Gruss

28 Powder on wood: Science or art?

Steve Couzens

30 Q & A: Responses to readers' questions

George Trigg and Nick Liberto

33 Coater's corner: Are two coats better than one?

Greg Yahn

DEPARTMENTS

5 Updates: Industry

36 Product watch

6 Suppliers

37 Customer success stories

7 Events

42 Classifieds/Custom coaters

9 People

43 Article Index: Suggested reading

35 Markets

Cover 3 Advertiser's index