



Designation: ~~D211 – 67 (Reapproved 2012)~~ **D211 – 67 (Reapproved 2019)**

Standard Specification for Chrome Yellow and Chrome Orange Pigments¹

This standard is issued under the fixed designation D211; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers six types of commercially pure lead chromate pigments as follows:

- Type I—Primrose Chrome Yellow,
- Type II—Lemon Chrome Yellow,
- Type III—Medium Chrome Yellow,
- Type IV—Light Chrome Orange,
- Type V—Dark Chrome Orange, and
- Type VI—Chrome Yellow for Green.

1.2 The values stated in SI units are to be regarded as standard. The values given in parentheses are for information only.

1.3 The following hazard caveat applies to the test method portion of this specification only. *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

D126 Test Methods for Analysis of Yellow, Orange, and Green Pigments Containing Lead Chromate and Chromium Oxide Green

D185 Test Methods for Coarse Particles in Pigments

D235 Specification for Mineral Spirits (Petroleum Spirits) (Hydrocarbon Dry Cleaning Solvent)

D387 Test Method for Color and Strength of Chromatic Pigments with a Mechanical Muller

D523 Test Method for Specular Gloss

D562 Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer

D600 Specification for Liquid Paint Driers

D822 Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings

D1210 Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage

E97 Method of Test for Directional Reflectance Factor, 45-Deg 0-Deg, of Opaque Specimens by Broad-Band Filter Reflectometry (Withdrawn 1991)³

2.2 *Federal Specification:*

TT-R-266 Resin, Alkyd; Solutions⁴

¹ This specification is under the jurisdiction of ASTM Committee D01 on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee D01.31 on Pigment Specifications.

Current edition approved June 1, 2012; June 1, 2019. Published August 2012; June 2019. Originally approved in 1925. Last previous edition approved in 2006; 2012 as D211 – 67 (2006); (2012). DOI: 10.1520/D0211-67R12; 10.1520/D0211-67R19.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, http://www.dodssp.daps.mil.