

PVD Finish Overview

Physical Vapor Deposition (PVD) is a finishing process that takes place inside a vacuum chamber where pure metals are combined with reactive gases to create hard, durable metallic colors. Within this chamber, plasma vapor consisting of reactive gases such as nitrogen and acetylene combine with certain metals and are deposited on the parts being coated to create the desired color.

PVD finishes have a high degree of hardness and are highly resistant to abrasion and to chemical attack. PVD is superior to other plated finishes and offers the most durable and vibrant finishes available. It is smoother, brighter and harder, and is a 100% environmentally friendly process. No pollutants or harmful gases are created during the PVD process. PVD eliminates most problems associated with plated and organically coated finishes that can tarnish if the clear coating covering them is scratched. With PVD, the desired decorative finish is even more durable than polished chrome.

In addition to being durable and beautiful, PVD finishes are discoloration resistant and easy-to-clean, important features customers expect from kitchen and bath fixtures.

All PVD finishes from Newport Brass carry a lifetime warranty against corrosion, tarnishing, or discoloring.

