

# The blackest and hardest ion plating coloring

- ✓ Ion plating coating (PVD) with the highest blackness ever (Lab color space about L\*35)
- ✓ Hard coating that can withstand bending tests and impact tests
- ✓ Incomparably superior wear resistance compared to wet plating
- ✓ High corrosion resistance that does not discolor or corrode even during long-term CASS tests and salt spray tests

Evaluation method (PVD processing on SUS304 0.5mm thick plate)			Test results
Adhesion performance	Bending + taping test (JIS H8504) Bending radius: 18mm Bending angle: 90°	Extension side	No peeling
		Shrinkage side	No peeling
	デDuPont impact test (JIS K5600-3) Weight: 500g Falling height: 500mm	1/8 to 1/4 inch unevenness	No peeling
Corrosion resistance performance	CASS exam (JIS H8502)	48 hours	No corrosion and peeling
	Salt spray test (JIS H8502)	48 hours	No corrosion and peeling

Evaluation method (PVD processing on SUS304 0.5mm thick plate)		New IP black	Black Sn-Ni plating	Black Ru plating
Wear resistance performance	Reciprocating wear test Abrasive material: sand eraser Weight: 1.0Kg	<b>No bare material exposed after 2,000 times</b>	250 times exposes the base material	150 times exposes the bare material

Created on January 10, 2024