

# DS-210

## Anti-electrostatic Coating

DS-210 Anti-Static Coating is formulated with a linear polyester resin. This product uses metallic filler to keep the surface electric resistance of dried film in the range of  $10^5 \sim 10^8 \Omega/\text{cm}^2$ .

### Product Characteristics

1. Excellent anti-static persisting effect
2. Excellent formability and hardness

### Use

1. Electronic semiconductor factory clean rooms
2. Hospital operating rooms, anesthesia rooms, X-ray rooms
3. Factories with gunpowder, gas, solvent, and other hazardous materials
4. Places where static electricity should be controlled

### Painting System

Material Type	Painting Composition	Product Title	Coating Thickness	Hardening Temperature
G.I, E.G.I	Primer	DP-800	5 $\mu\text{m}$	216 $^{\circ}\text{C}$
	Top coating	DS-210	15~20 $\mu\text{m}$	232 $^{\circ}\text{C}$

※ Backer : DB-890 Epoxy backer applied

### Physical properties

Specification	Test method	Result	
ASTM D523	60° gloss	10~30	Gardner 60° meter or equivalent
ASTM D3363	Pencil hardness	H~2H	No break in the film (Mitsubishi uni pencil)
ASTM D4145	T-bend	2T	No pick off with scotch #610 tape
ASTM D2794	Impact (1/2in×50cm×1kg)	Good	No pick off with scotch #610 tape
ASTM D5402-93	Solvent resistance	50 cycle	MEK double rub
	Surface electric resistance	$10^5 \sim 10^8 \Omega/\text{cm}^2$	Surface electric resistance tester

\* All data is based on lab test results and experience of NCC but, it could be changed without notice because of continuous development about quality by NCC.