Comparison between Peacofloor 531AS and others ESD

	Peacofloor 531AS	PVC Flooring	ESD Terrosa
Properties			
Resistance	$2.5*10^4 \sim 1*10^6$	$2.5*10^4 \sim 1*10^6$	$1*10^6 \sim 1*10^9$
Cost	Mediate	High	Mediate
Loading	Excellent	Bad	Excellent
Chemical Resistance	Excellent	Good	Bad
Abrasion Resistance	Excellent	Good	Good
Working Period	Short	Mediate	Loog
Appearance			
Dust Proof	Best	Acceptable	Bad
Surface	Seamless	Seam	Seam
Colours selection	Various	Few	Few
Gloss	High gloss	Semi gloss	Matt
Maintenance			
Cost	Low	High	High
Dirt Resistance	Good	Mediate	Bad
Cleaning	Easy	Mediate	Difficult

PEACOFLOOR®

SPECIALIST FLOORING WORLDWIDE

Peacostatic

ANTI-STATIC FLOOR

- Static Conduction
- Stable Resistance
- Realistic System

Total Solutions on steel and concrete

R&D Production Marketing Application After-Sales

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PEACOCK PAINT

CSC 中信化工
CHUNG SHUN CHEMICAL(HK)CO LTD
Unit 202, 2/F, On Tai Industriat Centie, No.4
On Chuen Street. Fanling, N.T. Hong Kong
TEL:(852)2959 3998 FAX:(852)3521 0438

Sources and Damage of Static Electricity

If two different materials, and are both insulators rub together, electrons will be transferred (or moved) from one to the other. The more rubbing, the more electrons move, and the larger the static charge that builds up. (Scientists believe that it is not the rubbing or friction that causes electrons to move. It is simply the contact between two different materials. Rubbing just increases the contact area between them.)

Electrostatic Discharge(ESD) can damage a sensitive electronic component,resulting in failures,reduced reliability and increased rework costs, or latent component failures in equipment .

Engineer of Jabli Electronic Inc told us:ESD floor coating is the most important component of the whole ESD control system.

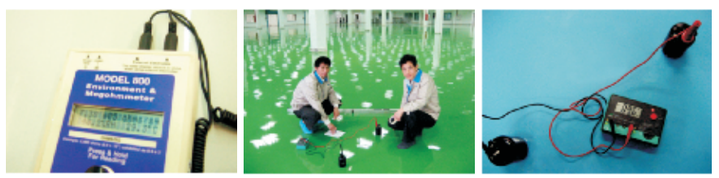
When the workers walk on the floor of electronic manufacturing g and inflammable materials workshop and warehouse, static electricity will be generated. The capability of the floor system to release static electricity is the key of success of the whole ESD control system.

Static electricity potential on different material

Material	10–30%RH	65–90%RH
Walking on Carpet	35000V	1500V
Walking on PVC Flooring	12000V	250V
Taking Plastic Bag	20000V	1200V
Plastic Wheel Trolley	18000V	1500V
Walking on Epoxy Flooring	20000V	10000V
Peacofloor Static Electricity Flooring	< 15V	< 15V

Design of Grounding System

The full system should include copper tape, ground connection and testing system.

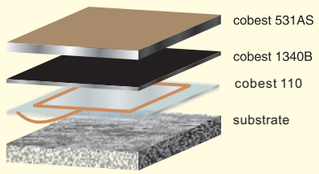


Testing on Peacostatic System

Standard: ASTM 105
No. of Test: 0-11 points/100m2
Point to Earth Resistance: Resistance between Floor surface to Earth
Point to Point Resistance: Resistance between points on the floor less than 90cm apart

Peacostatic System

Peacostatic 31



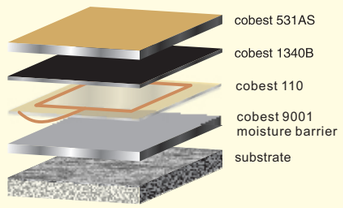
Resistance: 2.5×10^4 ~ 1×10^6

System Thickness: 1-1.5mm

Application: SMT workshop
electronic assessmble workshop
emergency centre
LED workshop

Features: Stable resistance
Smooth surface

Peacostatic 32



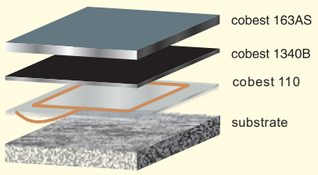
Resistance: 2.5×10^4 ~ 1×10^6

System Thickness: 3-3.5mm

Application: SMT workshop
Ground Floor
of semi-conductor workshop

Features: Stable resistance
Smooth surface
Moisture proof

Peacostatic 33



Resistance: 2.5×10^4 ~ 1×10^9

System Thickness: 0.2-0.3mm

Application: Wall and ceiling of all Static electricity sensitive workshop

Features: Stable resistance
Good workability