



Corstat® Component Boxes

CB/SM/IC

Description

Corstat® component boxes offer you a convenient and safe way to store and transport static sensitive devices. Manufactured from Corstat® Conductive board, component boxes provide high levels of safety from ESD by creating a faraday cage. Held in stock at GWP Conductive in a comprehensive range of sizes, your component boxes can be supplied flat packed or fully assembled. They are also available in custom sizes.



Key Benefits

GWP Conductive's range of ESD safe component boxes offers a convenient and safe way to store and transport static sensitive devices. The Corstat® conductive coating provides Faraday cage protection, whilst the inclusion of antistatic foam provides an additional level of ESD safe cushioning. The packs are available in a comprehensive range of sizes and are available from stock, assembled or flat packed as required for next day delivery. Custom sizes of the Corstat® Conductive component boxes are also available on request.

Features and Benefits of Corstat® Conductive Component Boxes:

- Market leading anti-static protection.
- Wide range of standard sizes.
- Custom sizes available on request.
- Suitable for a range of applications.
- Stock holding and fast turn-around.
- Foam inserts for additional cushioning protection.
- Manufactured from Corstat® Conductive fibreboard for excellence.



Damage from ESD (electro static discharge) can be extremely common during storage and transportation of PCBs, CPUs, Motherboards and a huge range electronic devices. By creating a "Faraday Cage", Corstat® Component Boxes eliminate this problem.





Corstat® Component Boxes

CB/SM/IC

Applications

With the motherboard (effectively a printed circuit board) serving to connect all aspects of a computer or device together – everything from the CPU, memory, optical drives, video cards etc. – it is imperative that they do not become damaged by static. Damage from ESD (electrostatic discharge) can be extremely common during storage and transportation of motherboards and PCBs, which is why you can source a range of suitable Motherboard packaging from GWP Conductive a network of distributors. The range of motherboard packaging provided by Corstat® Component Boxes that are available from stock is also a great solution for protecting any static sensitive devices, components or equipment. They offer both physical protection and high levels of anti-static performance.

Corstat® Brand

Effective Protection

Corstat® anti- static conductive board coating is a well proven material for use in anti-static packaging. It has been available for over 11 years and specified by virtually all the major electronic companies in the USA and UK.

Effective Production

Boxes and containers coated with our materials are easily converted on standard machinery. The results give durable packaging that is cheaper than conductive plastic or fibreboard alternatives.

Wide Product Range

Corstat® anti-static conductive board coating is used by virtually all the main electronics companies around the world for transit packs, component boxes, in-plant handlers, bin boxes for ic-tubes and many other applications.

Consistent High Quality and Appearance

Corstat® anti- static conductive board coating is consistently manufactured, within an ISO 9002 approved environment, to high specifications which are accepted worldwide, Corstat® has a shiny finish due to the over-seal varnish during manufacture.

Corstat® and Environment

Corstat® anti- static conductive board coating is biodegradable and recyclable. Their products do not contain any heavy metals, aromatics or halogenated hydrocarbons.





Corstat® Component Boxes

CB/SM/IC

Technical Specification
Electrical
Surface Resistivity (per ASTM D257-78)
Buried Shielding Layer $<10^4$ ohms/sq
Exterior Layer $<10^5$ ohms/sq
Electrostatic Decay Rate (per Mil B 81705B, Test Method 4046 Federal TMS 101B) Less than 2.0 seconds to theoretical zero
ESD Shielding: 99.9% Attenuation (Capacitive Probe Test)
Triboelectric Charge Generation approximately 0.1 C/inch std. condition
Chemical
Surface Resistivity: Reducible Sulphur: .00035% (.0008% non-tarnishing to silver, solder and copper per TAPPI T-406) Amines: None
Galvanic Reaction: None
Mechanical
Liner papers 100% pure kraft
Shelf Life 10 years
Humidity Dependence: No effect on electrical properties

Component Box Size Chart		
SKU / Part No. (empty)	SKU / Part No. (foam)	Internal Size (mm)
CBS A	CBS B	40 x 40 x 15
CB1 A	CB1 B	60 x 60 x 25
CB2 A	CB2 B	100 x 100 x 38
CB3 A	CB3 B	153 x 50 x 20
CB4 A	CB4 B	74 x 64 x 40
SM12 A	SM12 B	146 x 70 x 24
SM14 A	SM14 B	146 x 146 x 24
IC5050 A	IC5050 B	178 x 89 x 25



Important Notice: The information contained within this spec sheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. Corstat® Component Boxes, July 14th 2020.