



## Corstat® Chip Boxes

CH A/B

### Description

Corstat® Chip-Boxes, widely used for shipping small micro-chips (often being referred to as microchip packaging), can be designed and manufactured to your specific requirements. Besides this, chip boxes are incredibly cost effective and provide guaranteed ESD protection. Created from Corstat® conductive fibreboard, these chip boxes maintain a high quality finish whilst offering exceptional performance.



### Key Benefits

Manufactured from Corstat® conductive fibreboard, GWP Conductive's chip boxes provide a cost effective method of shipping micro-chips and small electronic devices. They can also be supplied with soft antistatic foam or a high density pin stick grade conductive foam to suit your specific requirement. They are available from stock in a wide range of standard sizes for next day delivery if required. If you have a requirement requiring something outside of our stock range, please contact us as special orders can be designed to any size by an experienced in-house design team.

### Features and Benefits of Corstat® Conductive Chip Boxes:

- Reliable ESD protection.
- Range of standard sizes for varying applications.
- Reliability and durability guaranteed.
- Can be created in bespoke sizes.
- Various foam inserts available for specific applications.
- All the advantages of Corstat® conductive fibreboard.
- Available from stock for short lead times.



***Corstat® Chip Boxes are incredibly cost effective and provide guaranteed ESD protection. Created from the market leading Corstat® conductive fibreboard, these chip boxes maintain a high quality finish whilst offering exceptional "faraday cage" protection.***





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Technical Specification
<b>Electrical</b>
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
<b>Chemical</b>
Surface Resistivity: Reducible Sulphur: .00035% (.0008% non-tarnishing to silver, solder and copper per TAPPI T-406) Amines: None
Galvanic Reaction: None
<b>Mechanical</b>
Liner papers 100% pure kraft
Shelf Life 10 years
Humidity Dependence: No effect on electrical properties

Chip Box Size Chart		
SKU / Part No. (empty)	SKU / Part No. (foam)	Internal Size (mm)
CH-5 A	CH-5 B	90 x 30 x 15
CH-10 A	CH-10 B	100 x 60 x 15
CH-20 A	CH-20 B	120 x 100 x 15
CH-40 A	CH-40 B	140 x 40 x 15
CH-60 A	CH-60 B	160 x 80 x 15
CH-80 A	CH-80 B	180 x 80 x 15





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### Corstat® Brand

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#### 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.



*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® Chip Boxes, July 14th 2020.*