

# Corstat® Transit Packs.



## In Stock

Exclusive UK stock holding  
allowing delivery within 48  
hours



## Design

Custom designed sizes,  
options, designs and print  
available



## Choice

Widest range of ESD safe  
packaging available from a  
single source

# Corstat® Transit Packs.

## ESD Safe Handling and Storage.

### Exceptional protection from both static and mishandling

Corstat transit packs offer exceptional protection from electro static discharge (ESD). The patented Corstat carbon based coating, when coupled with the structural design, creates a “Faraday Cage” that efficiently channels static around the outside of the pack. This protection can be further enhanced with the addition of pink anti static foam.

This level of protection can eliminate damage to items and the associated costs of returns and replacements. Available within 48 hours from stock in a range of sizes, you can also improve productivity through reduced packing times, easy disposal and safe handling.

### Reliability and durability guaranteed

- > Corstat coating and pack design creates a “Faraday Cage”, protecting from static
- > Anti static foam protects from ESD, as well as providing cushioning from mis-handling
- > Custom sizes and designs tailored to your product, offering bespoke levels of protection

### Improve the efficiency of your operations

- > Available fully assembled, reducing packing times and boosting productivity
- > In stock for despatch within 48 hours, allowing you to minimise your stock holding
- > Inert and safe to handle, eliminating the need for protective clothing / equipment (PPE)

### Minimise the ongoing costs to your business

- > Lower unit cost compared with plastic alternatives, without sacrificing performance
- > Can be supplied flat for assembly on site, reducing transport and storage costs
- > Environmentally friendly, and bio-degradable, minimising disposal costs



Corstat Transit Packs are GWP Conductives' best selling anti static packaging. Proven to protect from static and guaranteed for ten years, why not give your items the same level of protection as that specified by virtually every OEM electronics manufacturer?



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## Size Guide

### Full details of the Corstat Transit Pack range

Please use the table below to find the most suitable size / style for your specific application.

Brand	Unassembled + Empty	Assembled + Foam	Internals (mm)	Surface Res.
Corstat	3080-1 A	3080-1 B	178 x 127 x 38 mm	10 <sup>5</sup> Ohm
Corstat	3090-2 A	3090-2 B	178 x 127 x 64 mm	10 <sup>5</sup> Ohm
Corstat	3095-22 A	3095-22 B	178 x 127 x 96 mm	10 <sup>5</sup> Ohm
Corstat	3180-3 A	3180-3 B	229 x 191 x 38 mm	10 <sup>5</sup> Ohm
Corstat	3190-4 A	3190-4 B	229 x 191 x 64 mm	10 <sup>5</sup> Ohm
Corstat	3195-24 A	3195-24 B	230 x 180 x 96 mm	10 <sup>5</sup> Ohm
Corstat	3220-5 A	3220-5 B	267 x 216 x 38 mm	10 <sup>5</sup> Ohm
Corstat	3230-6 A	3230-6 B	267 x 216 x 64 mm	10 <sup>5</sup> Ohm
Corstat	3245-26 A	3245-26 B	267 x 216 x 96 mm	10 <sup>5</sup> Ohm
Corstat	3310-7 A	3310-7 B	318 x 267 x 38 mm	10 <sup>5</sup> Ohm
Corstat	3320-8 A	3320-8 B	318 x 267 x 64 mm	10 <sup>5</sup> Ohm
Corstat	3335-28 A	3335-28 B	318 x 267 x 96 mm	10 <sup>5</sup> Ohm
Corstat	3400-9 A	3400-9 B	340 x 140 x 64 mm	10 <sup>5</sup> Ohm
Corstat	3431-13 A	3431-13 B	375 x 133 x 38 mm	10 <sup>5</sup> Ohm
Corstat	3501-05 A	3501-05 B	394 x 318 x 38 mm	10 <sup>5</sup> Ohm
Corstat	3500-10 A	3500-10 B	394 x 318 x 64 mm	10 <sup>5</sup> Ohm
Corstat	3515-30 A	3515-30 B	394 x 318 x 96 mm	10 <sup>5</sup> Ohm
Corstat	3600-11 A	3600-11 B	521 x 394 x 38 mm	10 <sup>5</sup> Ohm
Corstat	3610-12 A	3610-12 B	521 x 394 x 64 mm	10 <sup>5</sup> Ohm
Corstat	3625-32 A	3625-32 B	521 x 394 x 96 mm	10 <sup>5</sup> Ohm
Corstat	3854-14 A	3854-14 B	550 x 470 x 64 mm	10 <sup>5</sup> Ohm
Corstat	3975-16 A	3975-16 B	700 x 500 x 85 mm	10 <sup>5</sup> Ohm

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## Further Technical Info

### Materials

The following provides brief details of the materials used in Corstat Transit Packs:

- > Board: 200K 200K B Flute (largest Transit Pack uses 200K 200K EB)
- > Foam AS22 (AS = Pink Antistatic / 22 is the weight 22Kgs per cubic metre)
- > Always Profiled foam
  - 10B/10R for 38mm deep Transit Packs
  - 15B/15R for 64mm & 96mm Transit Packs
- > Profiled foam is also known as Egg Box Foam

As a Special:

- > Supplied in 3mm / 450gsm Conductive Corriplast with the option of LD Conductive Foam

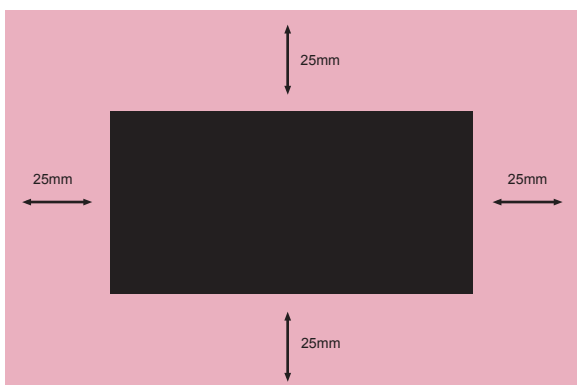
### Size Selection

The purpose of the Profiled foam is to keep the PCB secure / to prevent movement within the container that could lead to damage.

However, it is important to ensure the PCB is not too secure, as this may damage components / distort box.

### Spacing Diagram

Whilst the below guide is not set in stone, a sensible recommendation is as follows:



- > Minimum of 25mm all the way around
- > 50mm Overall

# Corstat® Transit Packs.

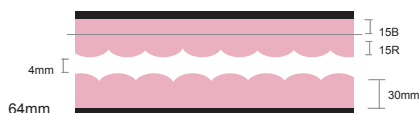
## Further Technical Info

### Depth Guidance

The following diagrams indicate the ideal board depth for each foam configuration.



20mm ideal board depth



34mm ideal board depth



66mm ideal board depth

### Examples



PCB depth of 28mm  
Most suitable Transit Pack = 64mm

On this PCB the components are evenly distributed, giving a constant height. As such this would be better placed in the 64mm depth of Transit Pack.



PCB depth of 32mm  
Most suitable Transit Pack = 38mm

This PCB is point loaded, as there is one component at a higher depth. This would be better placed in a 38mm Transit Pack.

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## Technical

### Performance specifications for Corstat material

Please see below for the specific performance / properties of Corstat coating.

#### 1.0 Electrical

- 1.1 Surface Resistivity (per ASTM D257-78)
  - 1.11 Buried Shielding Layer <10 ohms/sq
  - 1.12 Exterior Layer <10 ohms/sq
- 1.2 Electrostatic Decay Rate (per Mil B 81705B, Test Method 4046 Federal TMS 101B)
  - Less than 2.0 seconds to theoretical zero
- 1.3 ESD Shielding: 99.9% Attenuation (Capacitive Probe Test)
- 1.4 Triboelectric Charge Generation approximately 0.1 C/inch std. condition

#### 2.0 Chemical

- 2.1 Surface Resistivity
  - 2.11 Reducible Sulphur: .00035% (.0008% non-tarnishing to silver, solder and copper per TAPPI T-406)
  - 2.12 Amines: None
- 2.2 Galvanic Reaction: None

#### 3.0 Mechanical

- 3.1 Liner papers 100% pure kraft
- 3.2 Shelf Life 10 years
- 3.3 Humidity Dependence: No effect on electrical properties