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- Standard kits designed to provide an electrostatic protected area (EPA) on existing benches
- The static dissipative mats can be fixed with the adhesive tape, or loose laid.



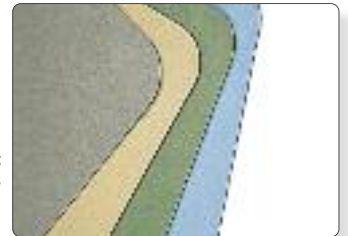
### Work Station Kit

Use this kit for assembly and repair where soldering or chemicals are present. Consists of a two layer Neostat C2 bench mat fitted with 2 x 10mm male press studs: supplied with an elasticated wrist strap and extendible lead, 3600mm extendible ground lead, earth plug and a 5m roll of double sided adhesive tape.

Bench mat colours available: Grey, Beige, Green or Blue  
Please specify colour when ordering.

Mat Size	Order Code
1000 x 600	WSK1-1006
1200 x 600	WSK1-1206
1500 x 600	WSK1-1506
1800 x 600	WSK1-1806

Technical Ref: See page 12 for the specification of Neostat C/2 and alternative mat materials.



Bench mat colours



### Configuration Kit

A specialist kit designed for use when carrying out PCB installation in computers and other electronic equipment. The kit comprises a small Neostat C2 mat fitted with 2 x 10mm male press studs, wrist band and lead, ground lead and an earth plug.

Mat colours available:  
Blue, Grey, Green or Beige.  
Please specify colour when ordering.

Dims. (mm)	Order Code
300 x 200	FCC2-0302
400 x 300	FCC2-0403



### EPA Super-Kit

A kit with all the items required to set up a fully protected EPA work-station, including:-

- Blue or grey Neostat C2 bench mat with four 10mm press studs.
- 2.4m ground lead with earth plug.
- Wrist strap with elasticated band and 1.8m coiled cord.
- Jewel continuous workstation monitor (see page 43 for details).
- Dissipative vinyl floor mat with ground lead.
- EPA warning sign (150 x 75mm self adhesive).
- ESD awareness guide.

Please specify blue or grey mats when ordering.

Floor mats are supplied 300mm longer than the bench mat x 750mm wide.

Alternative sizes and configurations can be supplied – please ask for a quotation.

Description	Order Code
1200 x 600mm bench mat	ESK-1206
1500 x 600mm bench mat	ESK-1506
1800 x 600mm bench mat	ESK-1806

- A range of portable kits designed for the field service or site maintenance engineer, to create a temporary ESD protected area (EPA).

## Pocket-Style Field Service Kits

Light Weight "Pocket Style" kit comprising a dark blue static dissipative vinyl mat and wallet set. Available with or without plug. Mat size: 610 x 610mm



Description	Order Code
Mat, wallet and leads	FSB-0606
Mat, wallet, leads and plug	FSB-0606-P

## Field Service Kit With Pouch

450 micron red laminated dissipative vinyl with 3m common point ground cord, large threaded grounding clip and adjustable wrist strap with coiled cord. Supplied with canvas carrying pouch. Surface resistivity  $10^8 - 10^9 \Omega$ .



Description	Order Code
Field Service Kit	CW-80720

## T2 Field Service Kit

Consists of a two-layer Euro T2 dissipative rubber mat with 2 - 10mm press studs, 2.4m ground lead, earth plug and wrist strap. The kit can be rolled up with the accessories inside for compact storage.

Available in blue and grey  
Add -B or -G to order code



Description	Order Code
Mat size 500 x 400mm	FST2-0504
Mat size 600 x 500mm	FST2-0605

## Portable Wrist Strap Checker

Enables field service engineers to carry out daily checks on wrist strap assemblies, as worn.



Description	Order Code
Portable Checker	PWC-0135

- A range of materials for covering work surfaces in electrostatic protected areas (EPAs) with static dissipative properties.
- All materials are available cut to customer requirements.



## Neostat C2 Flexible Matting

Neostat C2 is an exceptionally tough two layer static dissipative synthetic rubber material, 2mm thick, which is easy to maintain and has a long life. Textured top layer with excellent heat and solder resistant properties and conductive backing. Designed for general purpose applications - either loose laid or adhered to work surfaces.

Available in standard mat sizes as below or cut to size  
ASK FOR YOUR FREE SOLDER TEST SAMPLE, SIZE; 100 x 50mm

### Neostat C2 Standard Mats

Dims. (mm)	Order Code
900 x 600	BMC2-0906
1000 x 600	BMC2-1006
1200 x 600	BMC2-1206
1500 x 600	BMC2-1506
1800 x 600	BMC2-1806

### Neostat C2 Cut Lengths

???? = Length in mm

Dims. (mm)	Order Code
1000 wide	BMC2-????-10
1200 wide	BMC2-????-12

### Neostat C2 Full Rolls

Dims. (mm)	Order Code
10m x 1000 wide	BMC2-ROLL-1000
10m x 1200 wide	BMC2-ROLL

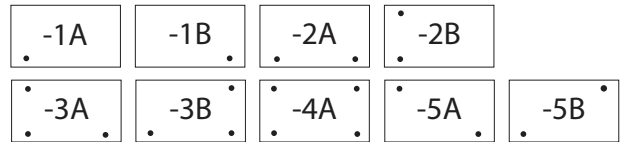
### SPECIFICATION

Leakage Resistance:  $10^6$ - $10^8 \Omega$   
 Thickness: 2mm  
 Material width: 1200mm  
 Full roll length: 10m  
 Weight: 2.7kg per sq.m



### PRESS STUD CODES FOR BENCH MATS

Add to Order Code to indicate positions required.



Please add colour choice when ordering; Grey - Beige - Blue - Green



## Bench-Saver Mats

Neostat C2 mats used to protect bench surfaces from damage and contamination. Used over the top of a dissipative surface, these mats do not require independent grounding. Press studs can be fitted if required. Colours as Neostat C2 above; please specify

Dims. (mm)	Order Code
600 X 300	BSC2-0603
600 X 400	BSC2-0604
600 X 600	BSC2-0606

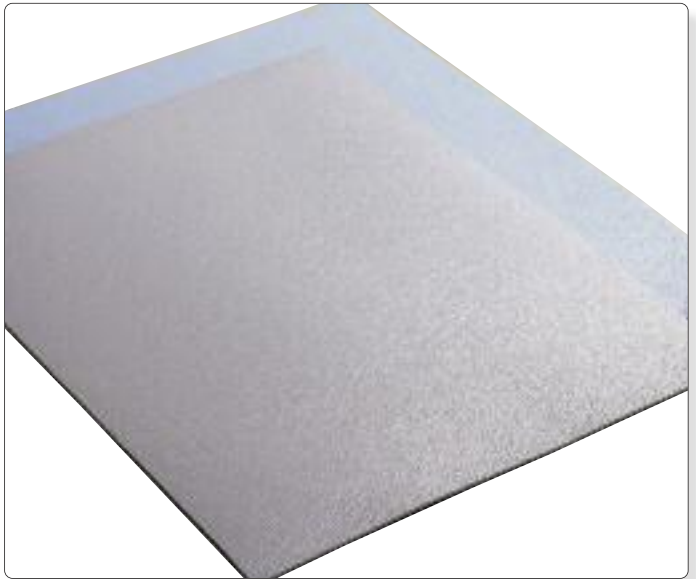
## Cutting Service

In addition to the range of standard mats, SSE offer a cutting service to customers requirements.

**Note:** tolerance on cut mat dimensions is as follows: up to 2000mm  $\pm 2$ mm up to 3000mm  $\pm 3$ mm over 3000mm  $\pm 5$ mm

## Statfree® Type Euro-T2 Dissipative Dual Layer Rubber

Durable rubber material with dissipative work surface and conductive backing layer, lightly embossed to reduce reflections. Compatible with continuous monitors.



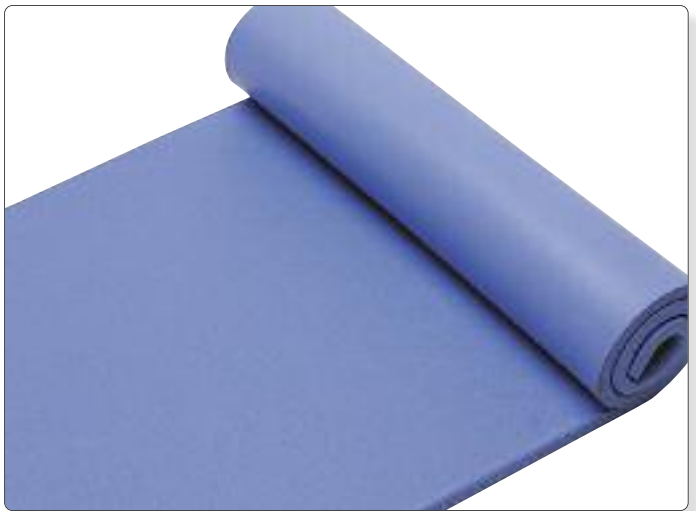
Description	Order Code
<b>Pre-cut Mats</b>	
900 x 600mm Blue	CW-80582
900 x 600mm Grey	CW-80584
1200 x 600mm Blue	CW-80583
1200 x 600mm Grey	CW-80585
<b>Full Rolls</b>	
12.2m x 600mm Blue	CW-80657
12.2m x 600mm Grey	CW-80660
12.2m x 760mm Blue	CW-80658
12.2m x 760mm Grey	CW-80661
12.2m x 1200mm Blue	CW-80659
12.2m x 1200mm Grey	CW-80662

### SPECIFICATION

Dissipative Side  
 Rp  $10^6 - 10^8 \Omega$   
 Rg  $10^6 - 10^8 \Omega$   
 Conductive Side  
 Rp  $10^3 - 10^4 \Omega$   
 Rg  $10^3 - 10^4 \Omega$   
 Thickness: 1.8mm

## Statfree® Type 0 Dissipative Homogenous Vinyl

Thick, energy absorbing cushion material, compatible with continuous monitors.



### STATFREE® Type 0 Full Rolls

Description	Order Code
18.3m x 600mm	CW-80530
18.3m x 900mm	CW-80532

### STATFREE® Type 0 Cut Lengths

Description	Order Code
600mm wide	CW-80530-LM-???
900mm wide	CW-80532-LM-???

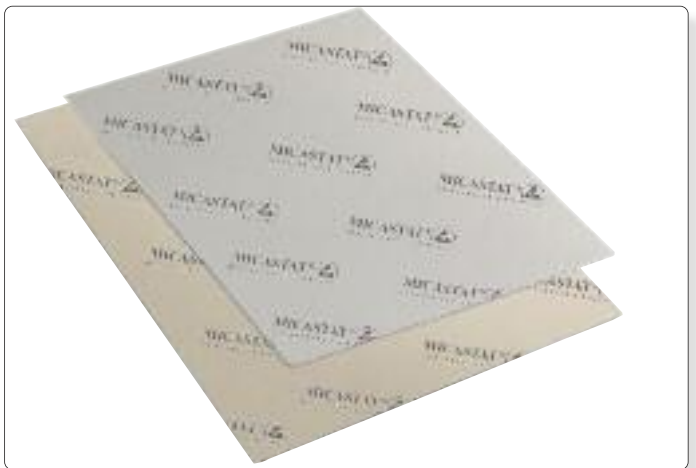
(??? = Specify length required in mm)

### SPECIFICATION

Rp  $10^6 - 10^7 \Omega$   
 Rg  $10^6 - 10^7 \Omega$   
 Thickness: 9.5mm  
 Colour: blue

## Micastat® Dissipative Laminate

Low tribocharging, high pressure laminate with patented conductive layer.



Description	Order Code
<b>Sheet Size (Nominal)</b>	<b>Beige</b> <b>Grey</b>
2400 x 760mm	CW-90022    CW-90066
3000 x 760mm	CW-90024    CW-90068
3600 x 760mm	CW-90026    CW-90070
2400 x 910mm	CW-90028    CW-90072
3000 x 910mm	CW-90030    CW-90074
3600 x 910mm	CW-90032    CW-90076
2400 x 1200mm	CW-90034    CW-90078
3000 x 1200mm	CW-90035    CW-90079
3600 x 1200mm	CW-90036    CW-90080
2400 x 1500mm	CW-90038    CW-90082
3000 x 1500mm	CW-90040    CW-90084
3600 x 1500mm	CW-90042    CW-90086

### SPECIFICATION

Rp  $10^6 - 10^9$  ohms.  
 Rg  $10^6 - 10^9$  ohms.  
 Charge decay: <0.009 seconds (FTMS-101 C method 4046)  
 Voltage Suppression: 0 Volts (ETS method)  
 Thickness: 0.97mm.

## Micastat® Grounding

### FLUSH MOUNT INSERT

The flush mount insert provides an excellent ground path for static dissipative laminate such as Micastat.

**Order Code**  
CW-90202

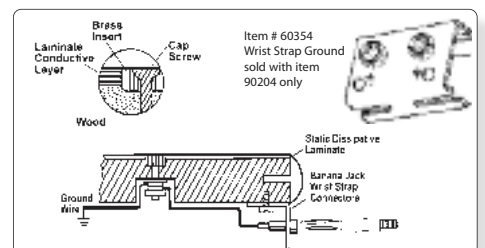
### FLUSH MOUNT INSERT WITH DUAL BENCH MOUNT WRIST STRAP POINT

This item includes all components in CW-90202 and all items to ground two wrist straps with 10mm press stud or 4mm banana plug terminations.

**INSTALLATION TOOL**  
Use tool to install the CW-90202/4

**Order Code**  
CW-90204

**Order Code**  
CW-90200



# REPLACEMENT BENCH TOPS

- These tops can be used to upgrade existing benches to provide static dissipative work surfaces for a range of applications.
- Standard sizes are shown below. We can manufacture to specific requirements, both in terms of size, shape and thickness.
- For standard tops, surface materials are bonded to an 18mm particle board substrate with a balancing laminate on the reverse. Standard thickness: 20mm
- Samples of surface materials are available on request.

## Standard Tops

**Neostat C2** Tough, long lasting static dissipative synthetic rubber, 2mm thick with excellent solder, chemical and heat resistant properties.

Leakage resistance:  $10^6$ - $10^8 \Omega$

Description	Order Code
1200 x 600	RTN-1206-?
1200 x 750	RTN-1207-?
1200 x 900	RTN-1209-?
1500 x 600	RTN-1506-?
1500 x 750	RTN-1507-?
1500 x 900	RTN-1509-?
1800 x 600	RTN-1806-?
1800 x 750	RTN-1807-?
1800 x 900	RTN-1809-?

-? Please add material colour preference:  
Grey:-GRY Blue:-BLE Green:-GRN Beige:-BGE

**Dissipative Laminate** A hard high pressure dissipative laminate, 1.0mm thick with excellent solder, chemical and heat resistant properties.

Leakage resistance:  $10^6$ - $10^8 \Omega$

Colour: grey

Description	Order Code
1200 x 600	RTL-1206
1200 x 750	RTL-1207
1200 x 900	RTL-1209
1500 x 600	RTL-1506
1500 x 750	RTL-1507
1500 x 900	RTL-1509
1800 x 600	RTL-1806
1800 x 750	RTL-1807
1800 x 900	RTL-1809

**Dissipative Melamine Faced Particle Board** An economical alternative to laminate, this material has a dissipative melamine surface on both sides, with a conductive substrate.

Overall thickness: 19mm

Colour: grey

Description	Order Code
1200 x 600	RTM-1206
1200 x 750	RTM-1207
1200 x 900	RTM-1209
1500 x 600	RTM-1506
1500 x 750	RTM-1507
1500 x 900	RTM-1509
1800 x 600	RTM-1806
1800 x 750	RTM-1807
1800 x 900	RTM-1809

## Custom Tops

A guide to the prices for special size tops, assuming that the shape is rectangular, can be found by using the price of the nearest standard size above.



## Diamond Pattern Extra Heavy Duty Anti-Fatigue Mat

Heavy Duty 4mm diamond pattern vinyl surface with a nitrile foam base, tapered edges and rounded corners.

Description	Order Code
1520 x 910mm	DAF-1509

### SPECIFICATION

Rp  $10^3-10^5 \Omega$   
 Rg  $10^3-10^5 \Omega$   
 Thickness: 14mm



This product is available as a continuous runner, up to 22.50m x 0.91m wide. Please contact our Sales Team for pricing on this option.

## Statfree® Type S Plus Dissipative Anti-Fatigue Matting

Cross-link vinyl/nitrile rubber construction with a durable top wear layer having a slip and soil resistant heavy embossed texture, with bevelled long edges.

STATFREE® Type S Full Rolls

Dims. (mm)	Order Code
18.3m x 900mm roll grey	CW-80135
18.3m x 1200mm roll grey	CW-80136

STATFREE® Type S Cut Lengths

Dims. (mm)	Order Code
900 wide per metre	CW-80135-LM-???
1200mm wide per metre	CW-80136-LM-???

(??? = Specify length required in mm)

### SPECIFICATION

Rp  $10^7-10^9 \Omega$   
 Rg  $10^7-10^9 \Omega$   
 Thickness: 9.5mm



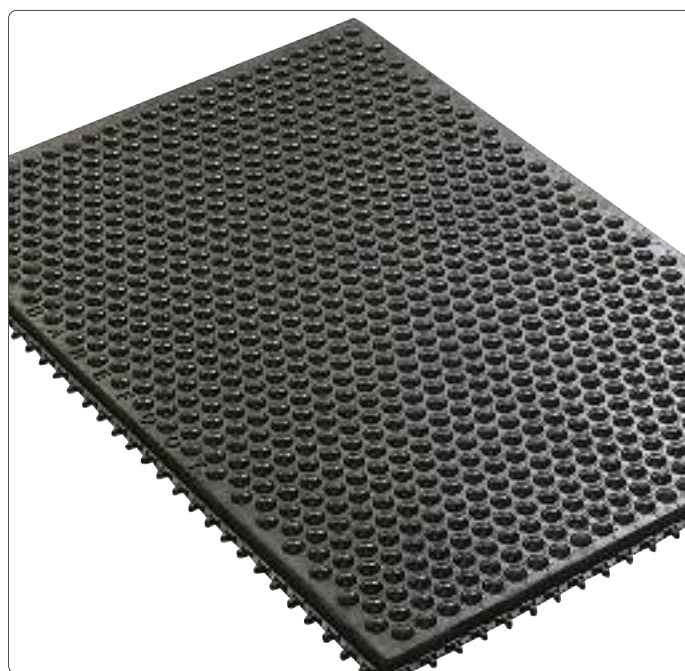
## Statfree® Type i Conductive Anti-Fatigue Interlocking Rubber

Statfree Type i offers the choice of multiple lengths and widths, manufactured from durable homogeneous rubber with patterned interlocking strip. Easily trimmed.

Description	Order Code
Individual Mats 0.6 m x 0.9 m mat, black	CW-80650

### SAFETY NOTE:

Care must be exercised in the use of conductive floor mat materials with inherent resistance values below 1 MΩ.  
 Do not use in contact with grounded metalwork, machinery, low resistance sub-floors or other equipment.  
 Where mains powered equipment is in use it is recommended that higher resistance materials are chosen.  
 Always ground through connections incorporating 1 MΩ resistors  
 BS EN 61340-5-1 recommends that resistance to ground (Rg) >  $7.5 \times 10^5 \Omega$  when a floor is used for primary grounding.



- An essential part of the static control work station where there is no permanent dissipative flooring.
- Provides initial discharge of personnel and trolleys approaching the work area.



## Neostat D2 Synthetic Rubber Floor Mats

A two layer synthetic rubber mat with a dissipative surface and a conductive backing. Resistant to hot solder and chemicals.

Available in full rolls, cut lengths or as standard pre-cut mats.

Dims. (mm)	Order Code
<b>Standard Mats</b>	
1200 x 1200	NED2-1212
1500 x 1200	NED2-1512
1800 x 1200	NED2-1812
2100 x 1200	NED2-2112
<b>Cut Lengths</b> ????=Length in mm.	
1200 wide	NED2-????-12
<b>Full Rolls</b>	
10m x 1200mm	NED2-ROLL

### SPECIFICATION

Earth leakage resistance:  
Average falls between  
 $10^6 - 10^8 \Omega$   
Thickness: 2.5mm



## Static Dissipative Vinyl Floor Mats 7300 Range

Sheet vinyl floor mats, 2mm thick with a conductive backing, available as standard mats, cut to customer requirement or in full rolls.

Dims. (mm)	Order Code
<b>Standard Mats</b>	
1500 x 1000	FMV-1510
2000 x 750	FMV-2007
2500 x 750	FMV-2507
3000 x 750	FMV-3007
2000 x 1500	FMV-2015
<b>Cut Lengths</b> ????=Length in mm	
1500 wide	FMV-????-15
<b>Full Rolls</b>	
25m x 1500mm	FMV-7300

### SPECIFICATION

Earth leakage resistance:  
average falls between  
 $10^6 - 10^8 \Omega$   
Thickness: 2.0mm

Colour: Dove

OTHER COLOURS AVAILABLE  
TO ORDER IN FULL ROLLS



Dove

## Installation Accessories

Items to facilitate the installation of floor mats and other sheet materials.

Dims. (mm)	Order Code
<b>Double Sided Adhesive Tape</b>	
50m x 50mm	DST-5050
5m x 50mm	DST-0550
<b>Edge Strip</b> Supplied with screws and plugs	
2400 x 25mm	AES-2402

Dims. (mm)	Order Code
<b>Cover Strip</b> Supplied with screws and plugs	
2400 x 25mm	AJS-2400
<b>Floor Earth Bonding Box</b> with test point terminal	
	EPB-F
<b>Brass Foil Strip</b> to link adjacent mats 18mm wide	
	BFS

## Feather Edge Strip

Fitted with adhesive tape around the perimeter of static dissipative mats to avoid a trip hazard and allow easy movement of trolleys. Supplied in 15m rolls with double-sided adhesive tape.

Description	Order Code
15m roll x 2mm	VFS-1502-A
15m roll x 3mm	VFS-1503-A



## V-LOK Interlocking Floor Panels

A system of interlocking floor panels, with static dissipative tiles bonded to a conductive base panel, with interlocking tags, providing a clean and durable ESD control floor area. Ramped edges are fitted where access is required.

Panels are easily removed and fully reusable in a new configuration.

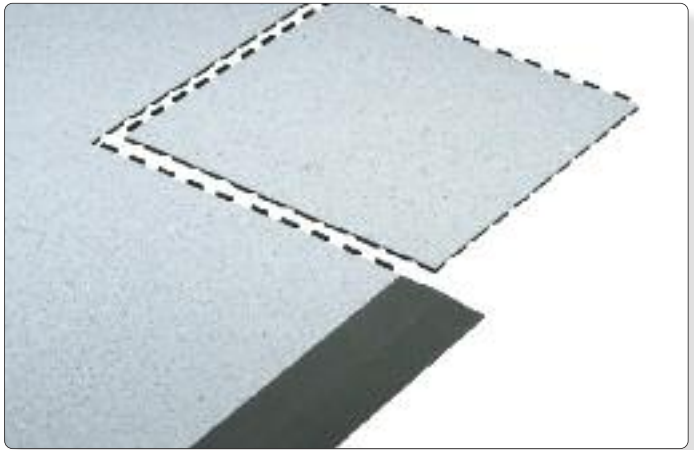
Panel size: 608 x 608 x 10mm

Ramp edge: 150mm wide

Description	Order Code
<b>V-LOK Panels</b>	
Pack of 5 panels	VLK-605
Single panels	VLK-601
<b>Ramp Edge</b>	
Straight lengths (per meter)	VLR-15
90° mitred corners	VLM-15

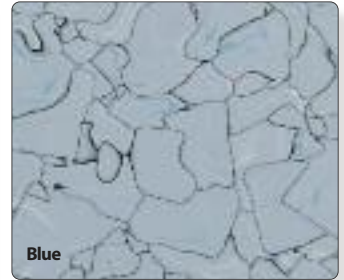
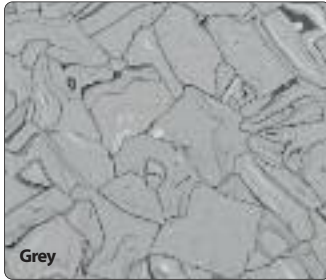
**SPECIFICATION**

Earth leakage resistance:  
average falls between  
10<sup>7</sup>-10<sup>9</sup> Ω



Ramp edge is supplied with adhesive tape fitted.

See page 48 for ground leads for this system.



## Walk Off Mats

Designed as an entrance mat for ESD protected areas (EPAs), to reduce soiling from personnel entering and providing an initial discharge path. Colour: Grey

Description	Order Code
1500 x 850	WOM-1508

**SPECIFICATION**

Earth leakage resistance:  
average falls between  
10<sup>7</sup>-10<sup>9</sup> Ω

Thickness: 4.0mm

Weight: 2.5kg per sq.m



PRESS STUD CODES FOR FLOOR MATS  
Add to Order Code to indicate positions required.

-1A •	-1B •	-2A •	-2B •
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## Clean-Step Entrance Mats

These mats, offered in two sizes, have a tacky surface to capture dirt from shoes, on contact. The base frame holds a pad of 60 numbered films, which are peeled off when soiled. Replacement pads are available for replenishment.

Frame size (mm)	Order Code
800 x 600	CSE-0806
1300 x 600	CSE-1308
<b>Replacement Pads (2 required for CSE-1308)</b>	
750 x 600	CSR-0706

