



RUBBER & PLASTIC MATTING & FLOORINGS - LIST 2013 Issue 1

Electrical Safety Mattings



Giving you the competitive safety edge

Details and Product Range covered in this issue:-

Information on this years decision by the BSI [British Standards Institute] on the withdraw the original and longstanding BS921/1976 standard and the recommended replacement, **European Standard IEC:61111:2009**.

Details on how the new introductions affects you, and some suggestions on future sales strategy and do's & don'ts on supply. Our scope, range and full details on manufacture and stock holdings.

Our new style of **VISIMAT**, high visibility, **COLOUR CODED** electrical safety mattings meeting all classes of IEC:61111:2009 European Standard supplied with a new 'Pyramid' pattern multi-directional anti-slip surface with black anti creep finish reverse allowing operator to identify wear and replacement.

Our historic range of Electrical Safety Mattings which includes the following:

ASTM D178 Type 1 - Classes 1, 2, 3 & 4

ASTM D178 Type 2 - Classes 1, 2, 3 & 4

ASTM D178 Type 2 Section 5, Class A, B & C

METAR 15,000V Tested [9.5mm thick] made to previous BS921/1976 specification

METAR 11,000V Tested [6.0mm thick] made to original specification CUSHSTAT Foamed PVC Anti-Fatigue Style.

SMOOTH MAT Anti-Static Solid Rubber Type Matting



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IMPORTANT Change in UK Specifications

As from January 2013 the British Standards Institute [BSI] withdrew the long standing BS921:1976 standard and it now becomes obsolete.

In its place they are now endorsing, as replacement, the European Standard IEC61111:2009 in harmony with the rest of the European Union.

This is not a new product for **CORUBA** as we have been supplying this, in various classes and formats for a number of years made to special order so we are fully conversant with the compounds and test procedures required.

At present the new IEC specification does not directly define thickness - only 'maximum' allowable against the relevant class. This has left it a little confusing for clients choice and also for suppliers in deciding stock holdings but we expect this to settle when later safety guidelines are introduced.

Based on this information CORUBA will initially be holding stocks, in various formats, based on previous demands and a general overview of the current market situation, details of which can be viewed in this brochure.

In the interim period, and also to satisfy clients whereby the new standard does not directly apply, we shall be continuing, for the foreseeable future, to be offering and stocking the original CORU550 BS921/1976 'METAR' tested to 15,000v, the CORU551 standard 6.0mm tested to 11,000v and the CORU580 grey VDE0303. These will be made to the original standard but cannot be designated accordingly.

In addition to the above CORUBA, as for many years now, will continue to offer electrical safety mattings to the American standard ASTM D178 JS.7 in various classes and types. These run very closely in line with IEC61111:2009 so we do expect to see a gradual phasing out of the American standards.

Please see page 3 and 4 for details on all grades currently available from CORUBA.

All standard finishes are Fine Ribbed [corrugated] unless stated, but we would be pleased to offer on other pattern types such as Broad Fluted, Circular Stud, Pyramid or Diamond designs.



We would like to remind our valued distributors and clients that CORUBA has in excess of 20 flawless years history in the supply of electrical safety mattings fully in compliance with all current international standards. We also have a bespoke policy and would be pleased to offer for any custom or specialised requirements you may have.

Our Supply Capabilities on Electrical Safety Matting - 2013



Available Grades from January 2013 [1]

SPECIFICATIONS MEETING IEC 61111:2009

CORU570 range in STANDARD BLACK classes 0, 1, 2, 3 & 4

CORU570-00 - Class 'O' rated - Thickness 3.0mm
CORU570-01 - Class '1' rated - Thickness 3.5mm
CORU570-02 - Class '2' rated - Thickness 4.0mm
CORU570-03 - Class '3' rated - Thickness 4.5mm
CORU570-04 - Class '4' rated - Thickness 5.5mm

CORU570-04 - Class '1' rated - Thickness 6.0mm **[Special Stock item as popular interim replacement for BS**

The standard BLACK, fine ribbed matting meeting the electrical standard. All of the above types are stocked in a variety of widths

CORU571 range in STANDARD GREY classes 0, 1, 2, 3 & 4

CORU571-00 - Class 'O' rated - Thickness 3.0mm
CORU571-01 - Class '1' rated - Thickness 3.5mm
CORU571-02 - Class '2' rated - Thickness 4.0mm
CORU571-03 - Class '3' rated - Thickness 4.5mm
CORU571-04 - Class '4' rated - Thickness 5.5mm

The standard GREY, fine ribbed matting meeting the electrical standard. Partial stock availability initially.

CORU572 range in EPDM GREY / BLACK BASE classes 0, 1, 2, 3 & 4

CORU572-00 - Class 'O' rated - Thickness 3.0mm
CORU572-01 - Class '1' rated - Thickness 3.5mm
CORU572-02 - Class '2' rated - Thickness 4.0mm
CORU572-03 - Class '3' rated - Thickness 4.5mm
CORU572-04 - Class '4' rated - Thickness 5.5mm

Dual Colour GREY/BLACK base Fine Ribbed EPDM Style. Partial stock available initially

CORU573 range in VIZIMAT - VIBRANT EPDM COLOURS / BLACK BASE classes 0, 1, 2, 3 & 4

CORU573-00 - Class 'O' rated - Thickness 3.0mm - **RED** SURFACE COLOUR CODED
CORU573-01 - Class '1' rated - Thickness 3.5mm - **WHITE** SURFACE COLOUR CODED
CORU573-02 - Class '2' rated - Thickness 4.0mm - **YELLOW** SURFACE COLOUR CODED
CORU573-03 - Class '3' rated - Thickness 4.5mm - **GREEN** SURFACE COLOUR CODED
CORU573-04 - Class '4' rated - Thickness 5.5mm - **ORANGE** SURFACE COLOUR CODED

HIGHLY VISUAL EPDM Dual Colour Coded /BLACK base 'Pyramid' pattern style. Partial stock available initially

All of the above mats are in made in strict accordance with the latest UK and European Specification IEC:61111:2009 and are **BRANDED** accordingly.

Our Supply Capabilities on Electrical Safety Matting - 2013



Available Grades from January 2013 [2]

SPECIFICATIONS MEETING ASTM D178 JS.7

TYPE 1 range in STANDARD BLACK - Classes 1, 2, 3 & 4

CORU552-01 - Class '1' rated - Thickness 4.5mm
CORU553-02 - Class '2' rated - Thickness 6.5mm
CORU554-03 - Class '3' rated - Thickness 9.5mm
CORU555-04 - Class '4' rated - Thickness 12.7mm

TYPE 2 range in STANDARD EPDM GREY - Classes 1, 2, 3 & 4

CORU552-21 - Class '1' rated - Thickness 4.5mm
CORU553-22 - Class '2' rated - Thickness 6.5mm
CORU554-23 - Class '3' rated - Thickness 9.5mm
CORU555-24 - Class '4' rated - Thickness 12.7mm

TYPE 2 range in NEOPRENE BLACK - Classes, A, B & C section 5.1.2.1 Ozone, 2 Flame & 3 Oil resistance

CORU557-04 - Class '1' rated - Thickness 4.5mm
CORU557-06 - Class '1' rated - Thickness 6.5mm
CORU554-23 - Class '1' rated - Thickness 10.0mm

Supplied as standard in BLACK,. Fine Ribbed [Corrugated] pattern. All of the above types are currently stocked in a variety of widths but stock situation will be monitored at regular intervals.

SPECIFICATIONS MEETING GOLD BRITISH STANDARDS

TYPE 15,000V Tested in STANDARD BLACK - To Previous UK Specification BS921/1976 CORU550 - 650v safety working - Thickness 9.5mm

TYPE 11,000V Tested in STANDARD BLACK - To Previous UK Specification - Low Voltage CORU551 - 450v safety working - Thickness 6.0mm

Supplied standard in BLACK, Fine Ribbed [Corrugated] pattern. Both of the above types are currently stocked in a variety of widths but stock situation will be monitored at regular intervals.

SPECIFICATIONS MEETING GOLD EUROPEAN STANDARDS

TYPE 50,000V Tested in STANDARD GREY - To Previous EU Specification VDE 0303 CORU580 - 1000v safety working - Thickness 4.5mm

Supplied standard in GREY, Fine Ribbed [Corrugated] pattern. Currently stocked in a variety of widths but stock situation will be monitored at regular intervals.

ALL OTHER TYPES

TYPE CUSHSTAT EOS/ ESD-OES/ ESD-S4 Anti-Static Anti-Fatigue Foamed PVC Type

CORU825-BB - EOS/ESD-OES/ESD-S4 - Thickness 12.0mm - BLACK
CORU825-GG - EOS/ESD-OES/ESD-S4 - Thickness 12.0mm - GREY
CORU825-BY - EOS/ESD-OES/ESD-S4 - Thickness 12.0mm - BLACK WITH YELLOW EDGES

Supplied standard in above colours, all with a low relief 'Bark' pattern. Currently stocked in a variety of widths.

ANTI—STATIC PLAIN SHEETING

TYPE Flame Retardent meeting standards UL04 VO [USA] NF F16-101 M2 F3 [French] and ISO340 [European] CORU188 - 1000v safety working - Thickness 1.0mm through to 10.0mm [others made to special order]

Supplied standard in BLACK, Smooth Finish pattern Other patterns can be made to order. Currently stocked in 1400mm wide rolls.

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IEC61111:2009- IEC61111:2009

CORU570- IEC61111:2009 Tested - Electrical Grade in BLACK NR Natural Rubber - Classes 0,1,2,3 and 4



COLOUR BLACK

Fully tested to and certificated in accordance with IEC61111 - 2009 specifications

Class 0, 1, 2, 3 & 4 sections

CO R U 570 -0 0 Class 0 - 3.0mm thick - 1.0 kv working voltage

CO R U 570 -0 1 Class 1 - 4.0mm thick - 7.5 kv working voltage

CORU 570- 02 Class 2 - 4.5mm thick - 17.0 kv working voltage

CO R U 570 -0 3 Class 3 - 5.0mm thick - 26.5 kv working voltage

CO R U 570 -0 4 Class 4 - 5.5mm thick - 36.0 kv working voltage

Class 1 - in special thickness of 6.0mm as popular replacement for BS921:1976 [9.5mm] is also available.

CORU571 - IEC61111:2009 Tested - Electrical Grade in GREY NR Natural Rubber - Classes 0,1,2,3 and 4



COLOUR GREY

Fully tested to and certificated in accordance with IEC61111 - 2009 specifications

Class 0, 1, 2, 3 & 4 sections

CO R U 571 -0 0 Class 0 - 3.0mm thick - 1.0 kv working voltage

CO R U 571 -0 1 Class 1 - 4.0mm thick - 7.5 kv working voltage

CO R U 571 -0 2 Class 2 - 4.5mm thick - 17.0 kv working voltage

CO R U 571 -0 3 Class 3 - 5.0mm thick - 26.5 kv working voltage

CO R U 571 -0 4 Class 4 - 5.5mm thick - 36.0 kv working voltage

INFORMATION AND FEATURES :

The above items meet the electrical standard only laid out in IEC:61111:2009 which are tested to the following:-

Class	A.C. V [r.m.s.]	D.C. V	Maximum Allowable Thickness [mm]	Coruba Recommended Thickness [mm]
0	1,000	1,500	6.0	3.0
1	7,500	11,250	6.0	4.0
2	17,000	25,500	8.0	4.5
3	26,500	39,750	11.0	5.0
4	36,000	54,000	14.0	5.5

Due to the very high quality of **CORUBA** raw materials the need for additional thickness is not necessary. The IEC:61111 specification only states 'maximum' thickness with minimum thickness being determined by suppliers ability to pass the correct tests defined in Clause 5 of specification. The above materials do so with the 'integral' layflat quality of the rubber compounds use not impaired in any way.

In addition to the above our thinner grades present less of a trip hazard when laid offering additional safety to operators.

Standard finishes on above two types are **FINE RIBBED** [corrugated] one side with an anti-creep impression on reverse.

MARKINGS

The example marking on the underside of the mat will consist of a tag denoting details as right: The brand shall be placed at 1000mm intervals along length of rolls.

The brand shall be colour coded as per IEC:61111:2009 guidelines

Class 'O' - RED , Class '1' - WHITE, Class '2' - YELLOW, Class '3' - GREEN, Class '4' - ORANGE

Stock sizes

Black - please apply

Grey - please apply

IEC61111:2009- IEC61111:2009

CORU572- IEC61111:2009 Tested - Electrical Grade in GREY EPDM/Black Base Rubber - Classes 0,1,2,3 and 4



COLOUR GREY

Fully tested to and certificated in accordance with IEC61111 - 2009 specifications

Class 0, 1, 2, 3 & 4 sections

CORU572-00 Class 0 - 3.0mm thick - 1.0 kv working voltage

CORU572-01 Class 1 - 4.0mm thick - 7.5 kv working voltage

CORU572-02 Class 2 - 4.5mm thick - 17.0 kv working voltage

CORU572-03 Class 3 - 5.0mm thick - 26.5 kv working voltage

CORU572-04 Class 4 - 5.5mm thick - 36.0 kv working voltage

CORU573 - IEC61111:2009 Tested - Electrical Grade in VIBRANT COLOURS in EPDM Rubber - Classes 0,1,2,3



VIZIMAT - VIBRANT EPDM COLOUR CODED

Fully tested to and certificated in accordance with IEC61111 - 2009 specifications

Class 0, 1, 2, 3 & 4 sections

CORU573-00 Class 0 - 3.0mm thick - 1.0 kv working voltage - RED

CORU573-01 Class 1 - 4.0mm thick - 7.5 kv working voltage - WHITE

CORU573-02 Class 2 - 4.5mm thick - 17.0 kv working voltage - YELLOW

CORU573-03 Class 3 - 5.0mm thick - 26.5 kv working voltage - GREEN

CORU573-04 Class 4 - 5.5mm thick - 36.0 kv working voltage - ORANGE

PICTURE EXAMPLE LEFT: CLASS 2—HI VIZ YELLOW

INFORMATION AND FEATURES :

The above items meet the electrical standard only laid out in IEC:61111:2009 which are tested to the following:-

Class	A.C. V [r.m.s.]	D.C. V	Maximum Allowable Thickness [mm]	Coruba Recommended Thickness [mm]
0	1,000	1,500	6.0	3.0
1	7,500	11,250	6.0	4.0
2	17,000	25,500	8.0	4.5
3	26,500	39,750	11.0	5.0
4	36,000	54,000	14.0	5.5

Due to the very high quality of **CORUBA** raw materials the need for additional thickness is not necessary. The IEC:61111 specification only states 'maximum' thickness with minimum thickness being determined by suppliers ability to pass the correct tests defined in Clause 5 of specification. The above materials do so with the 'integral' layflat quality of the rubber compounds use not impaired in any way.

In addition to the above our thinner grades present less of a trip hazard when laid offering additional safety to operators. Standard finishes on above two types are 'PYRAMID' pattern one side with an anti-creep impression on reverse.

MARKINGS

The EXAMPLE marking on the reverse side of mat will consist of a tag denoting details as right: The brand shall be placed at 1000mm intervals along length of rolls.

The brand shall be colour coded as per IEC:61111:2009 guidelines

Class 'O' - RED, Class '1' - WHITE, Class '2' - YELLOW, Class '3' - GREEN, Class '4' - ORANGE

BOTH GRADES MEETS CATEGORY XXX FOR LOW TEMPERATURE EXTERIOR USES

Stock sizes

Black - please apply

Grey - please apply

ASTM D178 ANSI JS.7- ASTM D178 ANSI JS.7

CORU552, CORU553, CORU554 & CORU555 Fine Ribbed - ASTM D178 JS.7 Type 1 - Classes 1, 2, 3 & 4



COLOUR BLACK

Fully tested to and certificated in accordance

ASTM D178 ANSI JS.7 Type 1 - Class 1, 2, 3 & 4 specifications

Class 1, 2, 3 & 4 sections

CORU552- 01 Class 1 - 4.5mm thick - 7.5 kv working voltage

CORU 553- 02 Class 2 - 6.5mm thick - 17.0 kv working voltage

CORU554- 03 Class 3 - 9.5mm thick - 26.0kv working voltage

CORU555- 04 Class 4 - 12.7mm thick - 36.0 kv working voltage

CORU556 Fine Ribbed - ASTM D178 JS.7 Type 2 - Classes 1, 2, 3 & 4



COLOUR GREY

Fully tested to and certificated in accordance

ASTM D178 ANSI JS.7 Type 2 - Class 1, 2, 3 & 4 specifications

Class 1, 2, 3 & 4 sections

CO R U 556 -0 1 Class 1 - 4.5mm thick - 7.5 kv working voltage

CORU 556- 02 Class 2 - 6.5mm thick - 17.0 kv working voltage

CO R U 556 -0 3 Class 3 - 9.5mm thick - 26.0kv working voltage

CO R U 556 -0 4 Class 4 - 12.7mm thick - 36.0 kv working voltage

CORU557 Fine Ribbed - ASTM D178 JS.7 Type 2 - Sections 5.1.2 / 1- A [Ozone] \ /2 - B [Flame] & /3 - C [oil]



COLOUR BLACK

Fully tested to and certificated in accordance

ASTM D178 ANSI JS.7 Type 2

All to Class 1 Electrical Resistance - Ozone, Flame & oil Resistant

CO R U 557 -0 1 Class 1 - 4.5mm thick - 7.5 kv working voltage

CORU 557- 02 Class 1 - 6.5mm thick - 7.5 kv working voltage

CO R U 557 -0 3 Class 1 - 10.0mm thick - 7.5 kv working voltage

INFORMATION AND FEATURES :

The above items meet the electrical standard only laid out in ASTM D178 ANSI JS.7 which are tested to the following:-

Class	Dielectric Test Voltage	Surface Proof Test Voltage	Maximum Allowable Working Voltage	Coruba Thickness [mm]
1	20,000	10,000	7,500	4.5mm
2	30,000	20,000	17,000	6.5mm
3	40,000	30,000	26,000	9.5mm
4	50,000	40,000	36,000	12.7mm

Standard finishes on above types are **FINE RIBBED** [corrugated] one side with anti-creep impression on reverse.

MARKINGS

The marking on the underside of side of mat will to standard and shall be placed at 1000mm intervals along length of rolls.

S t o c k s i z e s

Black -

Grey -

WITHDRAWN SPECS- WITHDRAWN SPECS

CORU550 - BLACK Fine Ribbed - Tested to 15,000v for 650v safety working [Previously BS921/1976]

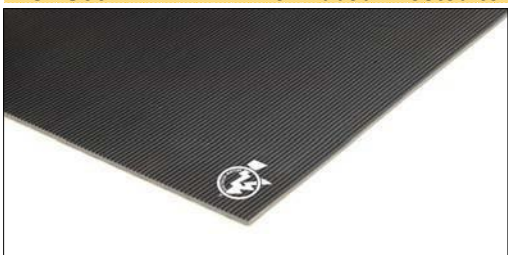


COLOUR B L A C K

Manufactured and test to original BS921/1976 specifications: -
BS921/1976

CORU550 - 09 0 . 91 m x 9 .5mm thick - 650v working voltage
CORU 550 - 10 1 . 00 m x 9 .5mm thick - 650v working voltage
CO R U 55 0- 12 1. 20m x 9 .5mm thick - 650v working voltage

CORU551 - BLACK Fine Ribbed - Tested to 11,000v for 450v safety working



COLOUR B L A C K

Manufactured and test to original UK specifications: -
For low voltage switchgear

CO R U 551 - 09 0.91 m x 6.0 mm thick - 650v working voltage
CORU 551 - 10 1 . 00 m x 6.0mm thick - 650v working voltage
R U 55 1- 12 1. 20m x 6. 0mm thick - 650v working voltage

CORU580 - GREY Fine Ribbed - 50,000v tested for 1,000v safety working [Previously VDE 0303]



COLOUR GRE Y

Manufactured and test to original EU VDE0303 specifications: -
VDE 0303

CO R U 580 - 09 0.91 m x 4.5 mm thick - 650v working voltage
CORU 580 - 10 1 . 00 m x 4.5 mm thick - 650v working voltage
CO R U 58 0- 12 1. 20m x 4. 5 mm thick - 650v working voltage

INFORMATION AND FEATURES :

The above items meet the electrical standard only laid out in now WITHDRAWN originals which are tested to the following:-

Type	Withdrawn Specification	Test Voltage	Maximum Allowable Working Voltage	Coruba Thickness [mm]
CORU550	BS921/1976	15,000	650	9.5mm
CORU551	UK Low Voltage	11,000	450	6.0mm
CORU580	EU VDE0303	50,000	1,000	4.5mm

All of the above types have now been withdrawn by the appropriate bodies in the UK and Europe and are now obsolete. This ruling does only apply in the relating countries and areas so for an un - specified period CORUBA will still be offering these products but strictly on the basis that customer has determined they are within current procurement procedures.

Standard finishes on above types are **FINE RIBBED** [corrugated] one side with anti-creep impression on reverse.

MARKINGS

The marking on the underside side of mat will denote test and safety working voltage only and shall be placed at 1000mm intervals along length of rolls.

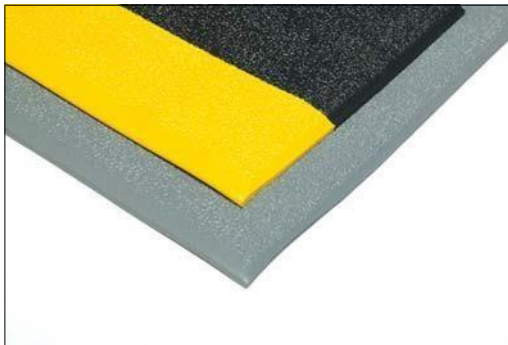
Stock sizes

Black -

Grey -

Ant-Static Types-Static Types

CORU825 - 'CUSHSTAT' PVC FOAMED Anti -Fatigue Matting



COLOUR : Black, Grey, Black/Grey

Fully tested to and certificated in accordance
EOS/ESD—OES/ESD-S4 guidelines for anti-static requirements

CORU825 -BB 12.0mm thick - BLACK

CORU825 -GY 12.0mm thick - GREY

CORU825 -BY 12.0mm thick - BLACK WITH YELLOW EDGE

INFORMATION AND FEATURES :

CORU825 is a high quality 250 KG/CM³ PVC [polyvinylchloride] 'Foamed' rubber matting offering excellent anti-fatigue characteristics for both factory and office workplaces. This style has a low relief slip resistant finish and offers vital protection for components and operators against risk of static electricity transfer.

CORU188 - Black Solid Neoprene Anti-Static Rubber and Flame Retardent Protective Matting

COLOUR:Black



Fully tested to and certificated in accordance
Flame retardent and smoke emission testing:-
UL94 VO [USA] and NF F16-101 M2 F3 [French] & EU ISO340

CORU188 Available in many stock thickness [1.0 - 10.0mm] with smooth finish on both sides.
It can also be made to special order for custom Thickness', lengths, widths and surface finish

INFORMATION AND FEATURES :

CORU188 is a high quality neoprene [CR - Polychloroprene] flat sheet material made to exacting standards and meeting both the USA UL94 VO rating for flame and fire resistance and also the French NF F16-101 M2 F3 and EU ISO340 standards. It is anti- static according to the British Standard BS 490 with 3×10^8 surface electrical resistance Ω maximum. Being Neoprene it is ideally suited for applications where material may be in any oily or chemical environment [assembly areas, bench tops etc] offering a protective layer against risk of static electrical transfer.

S t o c k s i z e s

Black - please apply

Grey - please apply



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