



ELECTRICAL INSULATING MATTING

# ELECTRICAL INSULATING MATTING

## Electrical insulating matting in general

Electrical insulating matting are made of rubber compounds by rotocure technology. Rubber, due to its properties of resistivity, is used in many applications through industry to insulate and protect. Rubber is a natural dielectric material and will therefore inhibit the flow of electric current.

## Key features

- Can withstand 10kV – 50kV
- Suitable for both AC, DC installation
- Hard wearing, non-slip, can be easily clean
- Packed in 10m rolls as well as custom cuts
- Conformity with IEC 61111:2009
- Durable vulcanized marking tape along the entire length of the mat according to IEC 61111:2009

## Applications

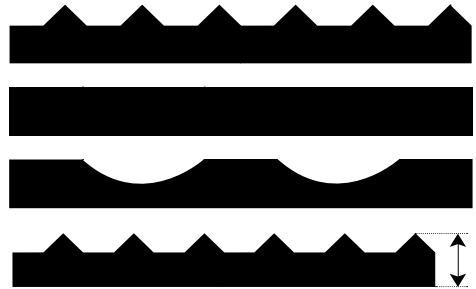
Prevention of electric shock risk around high voltage electrical equipment, such as fuse boxes, control panels, switchgear and heavy machinery.

## AVAILABLE COLORS



## AVAILABLE PROFILES

Pattern S7, EIP - smooth profile, Pattern S1, Pattern S7 4,5mm



## AVAILABLE CLASSES

**CLASS 0**

Working voltage: 1 000 V  
Proof voltage: 5 000 V  
Withstand voltage: 10 000 V

**CLASS 2**

Working voltage: 17 000 V  
Proof voltage: 20 000 V  
Withstand voltage: 30 000 V

**CLASS 3**

Working voltage: 26 500 V  
Proof voltage: 30 000 V  
Withstand voltage: 40 000 V

**CLASS 4**

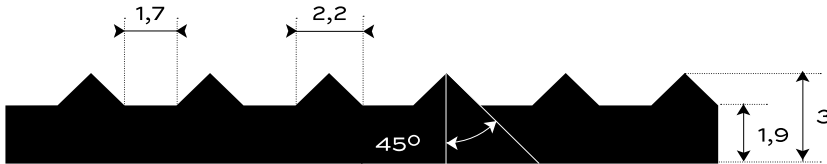
Working voltage: 36 000 V  
Proof voltage: 40 000 V  
Withstand voltage: 50 000 V

DEK0-S7-1	4
DEK0-S7-26	5
DEK2-S7-1	6
DEK3-H0-1	7
DEK3-H1-1	8
DEK3-S1-2	9
DEK4-H0-1	10
DEK4-H1-1	11
DEK4-S7-1	12

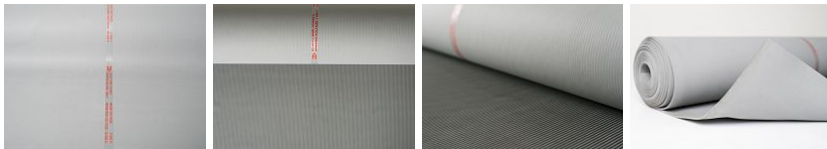
# ELECTRICAL INSULATING MATTING CLASS O FINE RIBBED - S7



**3 mm**      **3.3 kg/m<sup>2</sup>**      **65 +/- 5 Sh A**      **INTERIOR**  
 THICKNESS      BASIS WEIGHT      HARDNESS      ENVIRONMENT



Bottom side - cloth impression



## ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

## RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class O, with an operating voltage of 1,000 V, a test voltage of 5,000 V and a withstanding voltage of 10,000 V, with permanently vulcanized marking tape. Vulcanized elastomer fine grooved is available in gray or dark gray color, 3 mm thick with basic weight 3.3 kg/m<sup>2</sup>.

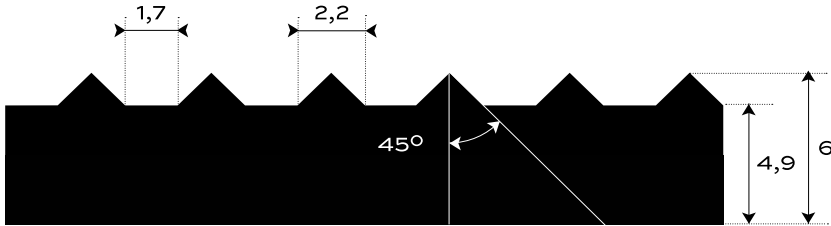
## CONFIGURATION OPTIONS

<b>THICKNESS</b>	
3 mm	(+/- 0,3 mm)
<b>WIDTH</b>	
1000 mm	(+/- 10 mm)
1200 mm	(+/- 10 mm)
<b>LENGTH</b>	
10 m	(+/- 200 mm)

# ELECTRICAL INSULATING MATTING CLASS O FINE RIBBED - S7



**6 mm**      **8.2 kg/m<sup>2</sup>**      **80 +/- 5 Sh A**      **INTERIOR**  
 THICKNESS      BASIS WEIGHT      HARDNESS      ENVIRONMENT



Bottom side - cloth impression



### ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,3 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

### RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class O, with an operating voltage of 1,000 V, a test voltage of 5,000 V and a withstanding voltage of 10,000 V, with permanently vulcanized marking tape. Vulcanized elastomer fine grooved is available in black color, 6 mm thick with basic weight 8.3 kg/m<sup>2</sup>.

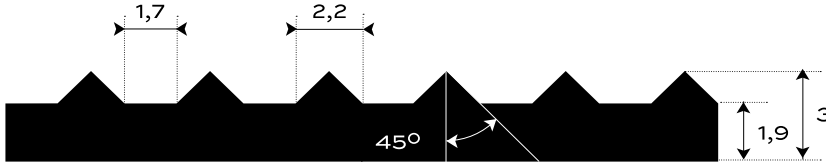
### CONFIGURATION OPTIONS

<b>THICKNESS</b>	
6 mm	(+/- 0,6 mm)
<b>WIDTH</b>	
1000 mm	(+/- 10 mm)
1200 mm	(+/- 10 mm)
<b>LENGTH</b>	
10 m	(+/- 200 mm)

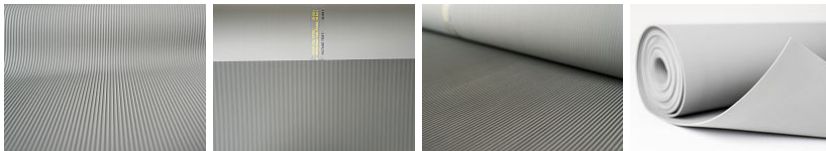
# ELECTRICAL INSULATING MATTING CLASS 2 FINE RIBBED



**3 mm**      **3.4 kg/m<sup>2</sup>**      **65 +/- 5 Sh A**      **INTERIOR**  
 THICKNESS      BASIS WEIGHT      HARDNESS      ENVIRONMENT



Bottom side - cloth impression



## ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

## RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class 2, with an operating voltage of 17 000 V, a test voltage of 20 000 V and a withstanding voltage of 30 000 V, with permanently vulcanized marking tape. Vulcanized elastomer fine grooved is available in gray, dark gray and yellow color, 3 mm thick with basic weight 3,4 kg/m<sup>2</sup>. This Product is suitable exclusively for interior use.

## CONFIGURATION OPTIONS

### THICKNESS

3 mm (+/- 0,3 mm)

### WIDTH

1000 mm (+/- 10 mm)

1200 mm (+/- 10 mm)

### LENGTH

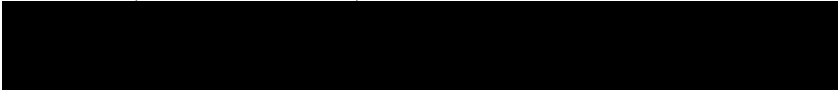
10 m (+/- 200 mm)

# ELECTRICAL INSULATING MATTING CLASS 3 SMOOTH - HO



**3 mm**      **5 kg/m<sup>2</sup>**      **65 +/- 5 Sh A**      **INTERIOR**  
THICKNESS      BASIS WEIGHT      HARDNESS      ENVIRONMENT

### Top side - smooth surface



### Bottom side - cloth impression



### ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

### RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class 3, with an operating voltage of 26 500 V, a test voltage of 30 000 V and a withstanding voltage of 40 000 V, with permanently vulcanized marking tape. Vulcanized elastomer smooth is available in gray color, 3 mm thick with basic weight 4,6 kg/m<sup>2</sup>.

### CONFIGURATION OPTIONS

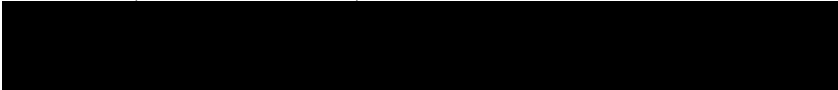
THICKNESS	
3 mm	(+ 0,5/- 0,2 mm)
WIDTH	
1000 mm	(+/- 10 mm)
1200 mm	(+/- 10 mm)
LENGTH	
10 m	(+/- 200 mm)

# ELECTRICAL INSULATING MATTING CLASS 3 SMOOTH - H1

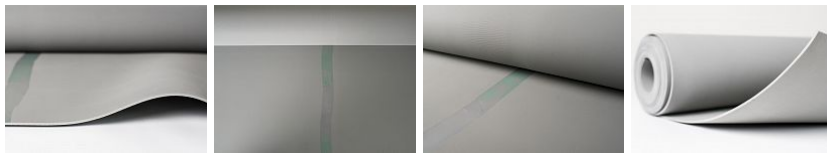


**3 mm**      **5 kg/m<sup>2</sup>**      **65 +/- 5 Sh A**      **INTERIOR**  
THICKNESS      BASIS WEIGHT      HARDNESS      ENVIRONMENT

### Top side - cloth impression



### Bottom side - cloth impression



### ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

### RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class 3, with an operating voltage of 26 500 V, a test voltage of 30 000 V and a withstanding voltage of 40 000 V, with permanently vulcanized marking tape. Vulcanized elastomer smooth is available in gray, 3 mm thick with basic weight 4,6 kg/m<sup>2</sup>.

### CONFIGURATION OPTIONS

#### THICKNESS

3 mm (+ 0,5/- 0,2 mm)

#### WIDTH

1000 mm (+/- 10 mm)

1200 mm (+/- 10 mm)

#### LENGTH

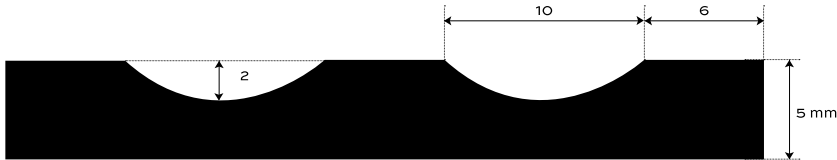
10 m (+/- 200 mm)



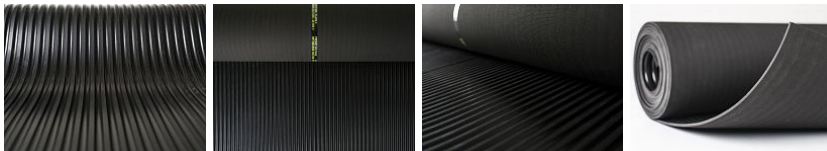
# ELECTRICAL INSULATING MATTING CLASS 3 WIDE RIBBED / CORRUGATED - S1



**5 mm**      **6.5 kg/m<sup>2</sup>**      **80 +/- 5 Sh A**      **INTERIOR**  
 THICKNESS      BASIS WEIGHT      HARDNESS      ENVIRONMENT



Bottom side - cloth impression



## ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

## RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class 3, with an operating voltage of 26 500 V, a test voltage of 30 000 V and a withstanding voltage of 40 000 V, with permanently vulcanized marking tape. Vulcanized elastomer wide grooved is available in black color, 5 mm thick with basic weight 6,9 kg/m<sup>2</sup>.

## CONFIGURATION OPTIONS

### THICKNESS

5 mm (+/- 0,1 mm)

### WIDTH

1000 mm (+/- 10 mm)

1200 mm (+/- 10 mm)

1300 mm (+/- 10 mm)

### LENGTH

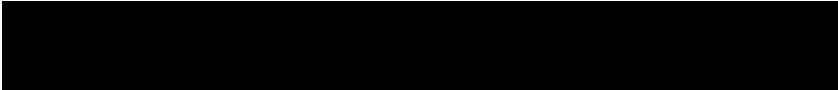
10 m (+/- 200 mm)

# ELECTRICAL INSULATING MATTING CLASS 4 SMOOTH - Ho

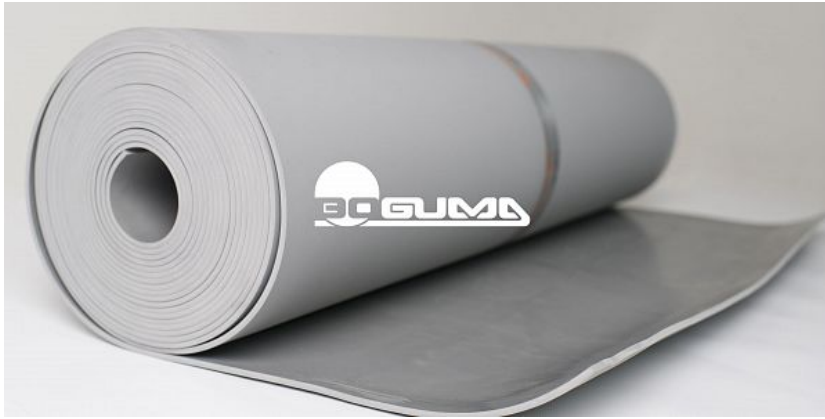


4	mm	6.1	kg/m <sup>2</sup>	65 +/- 5	Sh A	INTERIOR
THICKNESS		BASIS WEIGHT		HARDNESS		ENVIRONMENT

## Top side - smooth surface



## Bottom side - cloth impression



## ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

## RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class 4, with an operating voltage of 36 000 V, a test voltage of 40 000 V and a withstanding voltage of 50 000 V, with permanently vulcanized marking tape. Vulcanized elastomer smooth is available in gray color, 4 mm thick with basic weight 6,1 kg/m<sup>2</sup>.

## CONFIGURATION OPTIONS

### THICKNESS

4 mm (+ 0,6/- 0,2 mm)

### WIDTH

1000 mm (+/- 10 mm)

1200 mm (+/- 10 mm)

### LENGTH

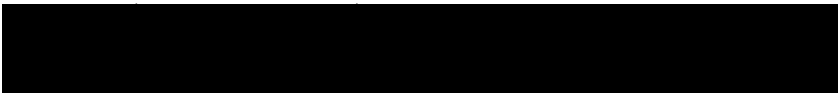
10 m (+/- 200 mm)

# ELECTRICAL INSUATING MATTING CLASS 4 SMOOTH - H1



4 mm THICKNESS    6.1 kg/m<sup>2</sup> BASIS WEIGHT    65 +/- 5 Sh A HARDNESS    INTERIOR ENVIRONMENT

### Top side - cloth impression



### Bottom side - cloth impression



### ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

### RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class 4, with an operating voltage of 36 000 V, a test voltage of 40 000 V and a withstanding voltage of 50 000 V, with permanently vulcanized marking tape. Vulcanized elastomer smooth is available in gray color, 4 mm thick with basic weight 6,1 kg/m<sup>2</sup>.

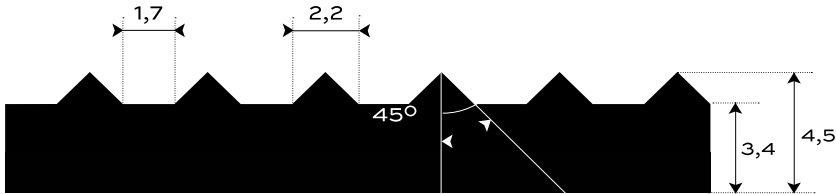
### CONFIGURATION OPTIONS

THICKNESS	
4 mm	(+ 0,6/- 0,2 mm)
WIDTH	
1000 mm	(+/- 10 mm)
1200 mm	(+/- 10 mm)
LENGTH	
10 m	(+/- 200 mm)

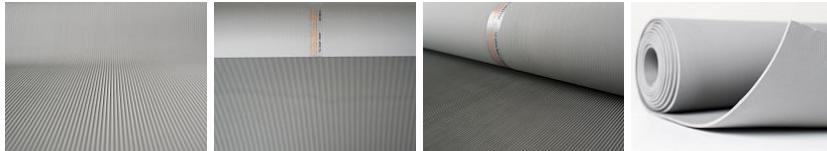
# ELECTRICAL INSULATED MATTING CLASS 4 FINE RIBBED - S7



4.5 **mm**      6.1 **kg/m<sup>2</sup>**      65 +/- 5 **Sh A**      **INTERIOR**  
THICKNESS      BASIS WEIGHT      HARDNESS      ENVIRONMENT



Bottom side - cloth impression



## ADDITIONAL INFORMATION

As standard, we supply rolls 1 or 1,2 m wide and 10 m long. However, we can also provide custom cuts: 0,6x0,6 m; 0,6x1m; 1x1m; 1,2x1m or others.

## RESISTANCE ACCORDING TO IEC 61111:2009

Mechanical puncture resistance	YES
Test for slip resistance	YES
Dielectric tests according given class	YES
Ageing tests	YES
Low temperature folding test	YES
Flame retardance test	YES
Oil resistance	YES
Acid resistance	YES

Electrical insulating matting certified according to IEC 61111:2009 in class 4, with an operating voltage of 36 000 V, a test voltage of 40 000 V and a withstanding voltage of 50 000 V, with permanently vulcanized marking tape. Vulcanized elastomer fine grooved is available in gray color, 4,5 mm thick with basic weight 6,1 kg/m<sup>2</sup>.

## CONFIGURATION OPTIONS

### THICKNESS

4.5 mm (+/- 0,2 mm)

### WIDTH

1000 mm (+/- 10 mm)

1200 mm (+/- 10 mm)

### LENGTH

10 m (+/- 200 mm)