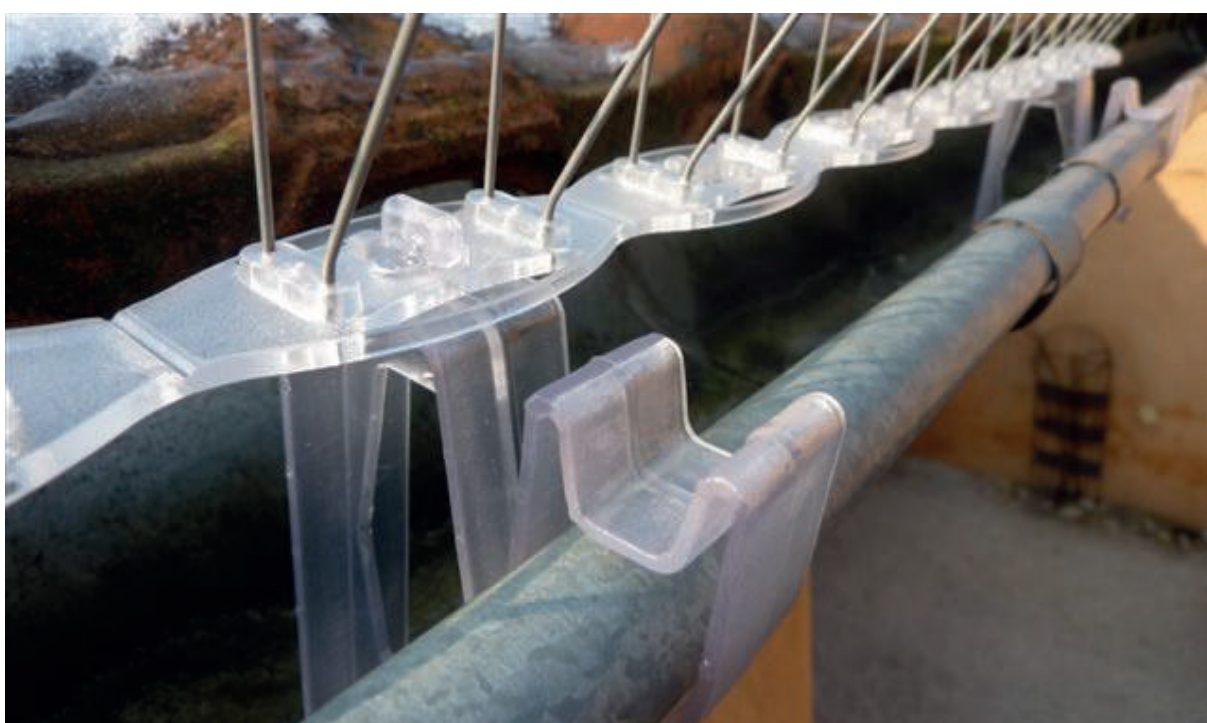
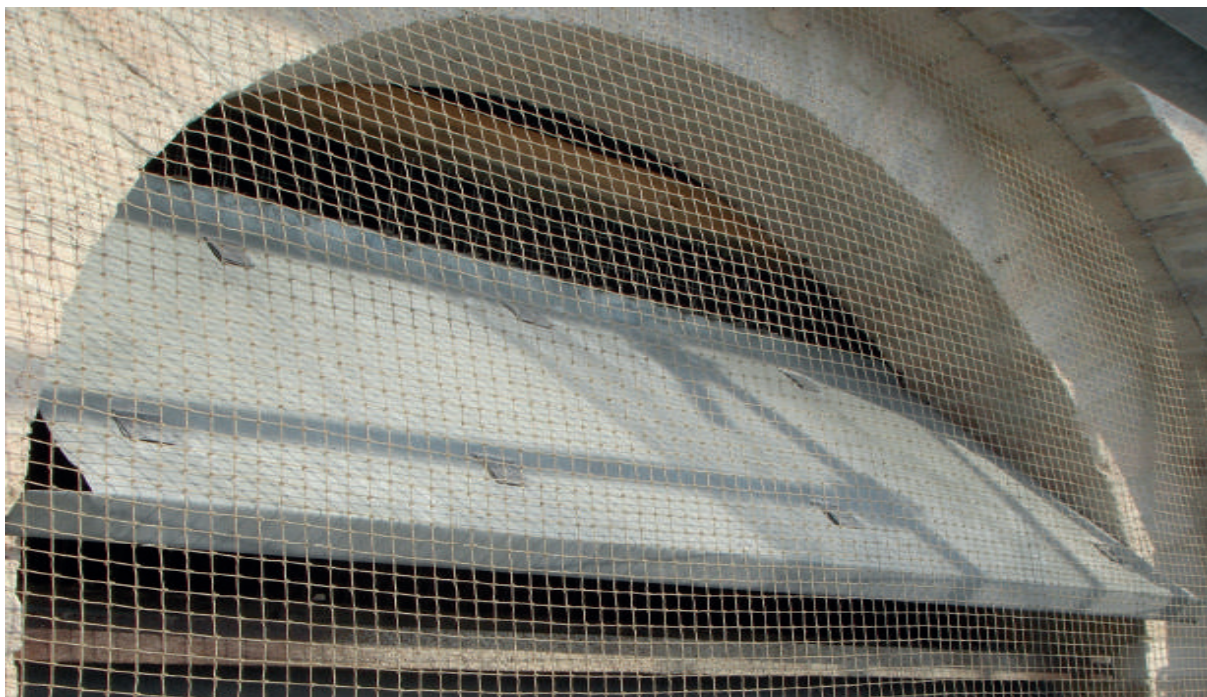




**POLNETS**

sp z o.o.

**PROTECTION AGAINST BIRDS**  
ANTI-BIRD NETTING AND SPIKES - PERSONALIZED PRODUCTS





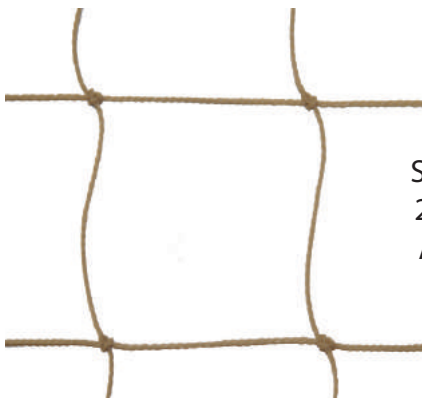


# Contents

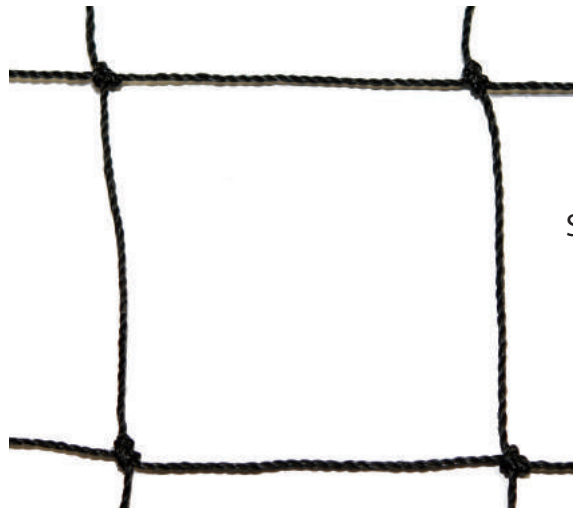
1 - Contents	3
2 - Anti-bird netting	4-8
3 - Anti-bird spikes	9-11
4 - Clips	12
5 - Accessories	13
6 - Personalized products	14-17



Scale photo : 1  
19 mm mesh  
Anti-sparrow



Scale photo:1  
28 mm mesh  
Anti-starling



Scale photo:1  
50mm mesh  
Anti-pigeon

Our products are made from virgin HDPE.

We use high-capacity machines to avoid joining knots as much as possible, for aesthetic reasons.

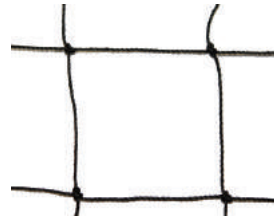
The netting is double reverse twisted making it extremely easy to install.  
Our mesh is square-shaped and perfectly symmetrical.

All of our nets are UV resistant up to 320 kLy,  
making our products very long-lasting.

Our nets are also available in fireproof version M1.



Anti-sparrow nets



Scale photo : 1  
19 mm mesh  
Anti-sparrow

## Technical specifications

MTS (Maximum Theoretical Strength): 2084 kg/m<sup>2</sup>  
 UTS (Ultimate Tensile Strength) : 1000 kg/m<sup>2</sup>  
 SWL (Safe Working Load) : 104 kg/m<sup>2</sup>  
 Material: Rot-proof HDPE  
 Melting point: 130° Celsius  
 Softening point: 120° Celsius  
 Weight: 72 g/m<sup>2</sup>  
 Tenacity: 5.5 g/denier per monofilament  
 UV stabilised: Stabilised using Ciba-Geigy process up to 320 kLy  
 Fireproofing: Available with M1 certified fireproofing  
 Construction: Twisted knotted - Square mesh - Overlocking possible  
 Composition: 3 x 2 x 600d - Thread ø 1mm - Thread weight: 2,400 m/kg

### Net HD PE 6x600, black, square-shaped, 19mm, standard

5m x 5m  
 10m x 10m  
 15m x 15m  
 20m x 20m

### Net HD PE 6x600, sand, square-shaped, 19mm, standard

5m x 5m  
 10m x 10m  
 15m x 15m  
 20m x 20m

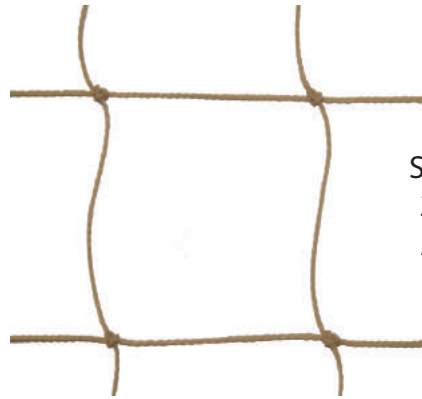
### Net HD PE 6x600, transparent, square-shaped, 19mm, standard

5mx10m  
 10mx10m





Anti- starling nets



Scale photo : 1  
28 mm mesh  
Anti- starling

## Technical specifications

MTS (Maximum Theoretical Strength): 2084 kg/m<sup>2</sup>

UTS (Ultimate Tensile Strength) : 1000 kg/m<sup>2</sup>

SWL (Safe Working Load) : 104 kg/m<sup>2</sup>

Material: Rot-proof HDPE

Melting point: 130° Celsius

Softening point: 120° Celsius

Weight: 72 g/m<sup>2</sup>

Tenacity: 5.5 g/denier per monofilament

UV stabilised: Stabilised using Ciba-Geigy process up to 320 kLy

Fireproofing: Available with M1 certified fireproofing

Construction: Twisted knotted - Square mesh - Overlocking possible

Composition: 3 x 2 x 600d - Thread ø 1mm - Thread weight: 2,400 m/kg

Net HD PE 6x600, black, square-shaped, 28mm, standard

5m x 5m

10m x 10m

15m x 15m

20m x 20m

Net HD PE 6x600, sand, square-shaped, 28mm, standard

5m x 5m

10m x 10m

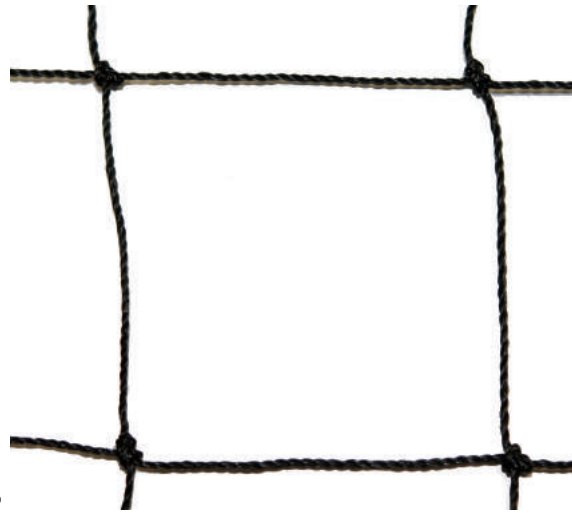
15m x 15m

20m x 20m





Anti-pigeon nets



Scale photo : 1  
50 mm mesh  
Anti- pigeon

## Technical specifications

MTS (Maximum Theoretical Strength): 792 kg/m<sup>2</sup>

UTS (Ultimate Tensile Strength) : 396 kg/m<sup>2</sup>

SWL (Safe Working Load) : 40 kg/m<sup>2</sup>

Material: Rot-proof HDPE

Melting point: 130° Celsius

Softening point: 120° Celsius

Weight: 21 g/m<sup>2</sup>

Tenacity: 5.5 g/denier per monofilament

UV stabilised: Stabilised using Ciba-Geigy process up to 320 kLy

Fireproofing: Available with M1 certified fireproofing

Construction: Twisted knotted - Square mesh - Overlocking possible

Composition: 3 x 2 x 600d - Thread ø 1mm - Thread weight: 2,400 m/kg

### Net HD PE 6x600, black, square-shaped, 50mm, standard

5m x 5m - 5m x 10m - 5m x 15m - 5m x 20m

10m x 10m - 10m x 15m - 10m x 20m - 15m x 15m - 15m x 20m

20m x 25m - 20m x 30m - 25m x 25m - 25m x 30m - 30m x 30m

### Net HD PE 6x600, sand, square-shaped, 50mm, standard

5m x 5m - 5m x 10m - 5m x 15m - 5m x 20m

10m x 10m - 10m x 15m - 10m x 20m - 15m x 15m - 15m x 20m - 15m x 25m

20m x 20m - 20m x 25m - 20m x 30m - 25m x 25m - 25m x 30m

30m x 30m

### Net HD PE 6x600, transparent, square-shaped, 50mm, standard

5m x 5m - 5m x 10m - 5m x 15m - 10m x 10m - 10m x 15m - 10m x 20m

20m x 20m





Anti-pigeon nets « Cristal »

Scale photo : 1  
50 mm mesh  
Anti- pigeon « Cristal »



## Technical specifications

MTS (Maximum Theoretical Strength): 735 kg/m<sup>2</sup>  
UTS (Ultimate Tensile Strength) : 367 kg/m<sup>2</sup>  
SWL (Safe Working Load) : 37 kg/m<sup>2</sup>  
Material: Nylon  
Melting point: 260° Celsius  
Softening point: 235° Celsius  
Weight: 17 g/m<sup>2</sup>  
Tenacity: 2500 denier  
UV stabilised: Stabilised using Ciba-Geigy process up to 320 kLy  
Fireproofing: Available with M1 certified fireproofing  
Construction: Twisted knotted - Square mesh  
Composition: Ø 0.60 mm

Net Nylon, transparent, square-shaped, 50mm, standard

5 x 5 m  
10 x 10 m

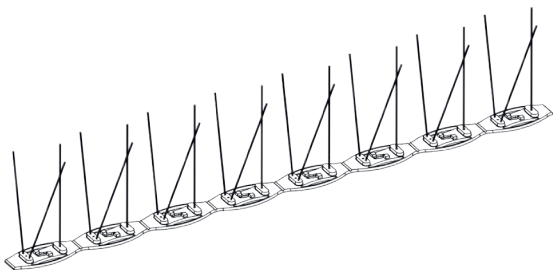




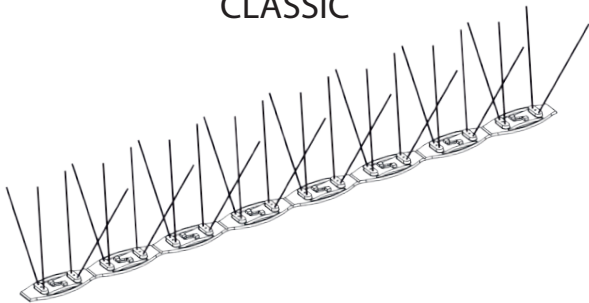


## OUR PRODUCTS

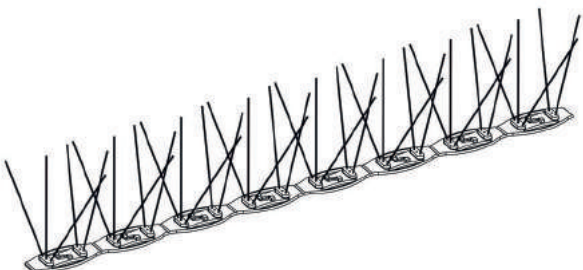
### BASIC



### CLASSIC



### ENHANCED



## DESCRIPTION

Made up of metal spikes protruding from a base.

Easy to install and cheap, the spikes must be installed over the whole area to be protected to prevent birds from finding a gap

## PROPERTIES

Base in UV stabilised polycarbonate.  
Can be installed on any surface  
Stainless-steel spikes AISI 302 Ø 0.13  
AFNOR X10CRNI18-8 standard  
ISO 527, ISO 178, ISO 306\* standards

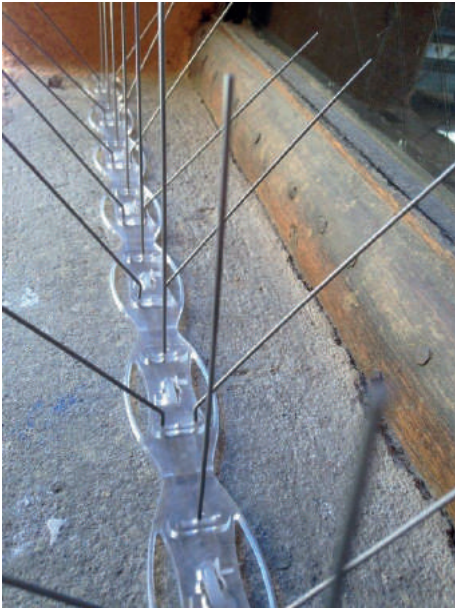
Tensile strength : 26 N/mm<sup>2</sup>  
Elongation at break : 250 N/mm<sup>2</sup>  
Flexural strength : 40 N/mm<sup>2</sup>  
Flexural modulus of elasticity : 1450 N/mm<sup>2</sup>  
Ball indentation hardness H132/30 : 40 N/mm<sup>2</sup>  
Softening temperature : 83°C VST/A/50  
Thermal conductivity : 0.12 W/m.K



Dostępne opakowania:  
Karton 10MB  
Karton 50MB

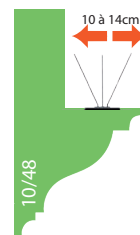
## BASIC

2 sections at 50cm and 48 spikes per linear metre (lm)



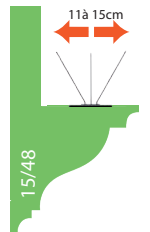
5/48 protection area 5 – 9 cm  
Purpose : ledge

7/48 protection area 7 – 10 cm  
Purpose : ledge, downspout, windowsill



10/48 protection area 10 – 14 cm  
Purpose : ledge, windowsill, gutter

15/48 protection area 11 – 15 cm  
Purpose : ledge, windowsill, gutter, top of roof



## CLASSIC

2 sections at 50cm and 64 spikes per linear metre (lm)



7/64 protection area 7 – 10 cm  
Purpose : ledge, downspout, windowsill

10/64 protection area 8 – 12 cm  
Purpose : ledge, windowsill, gutter



15/64 protection area 10 – 15 cm  
Purpose : ledge, windowsill, gutter, top of roof

20/64 protection area 15 – 20 cm  
Purpose : wide ledge, roof edge, terrace



# ENHANCED

2 sections at 50cm and 80 spikes per linear metre (lm)

## 3 - Anti-bird spikes



20/80 protection area 15 – 20 cm  
Purpose : ledge, roof, terrace  
Perfectly protects against seagulls, ravens and crows

### Installation of spikes with glue



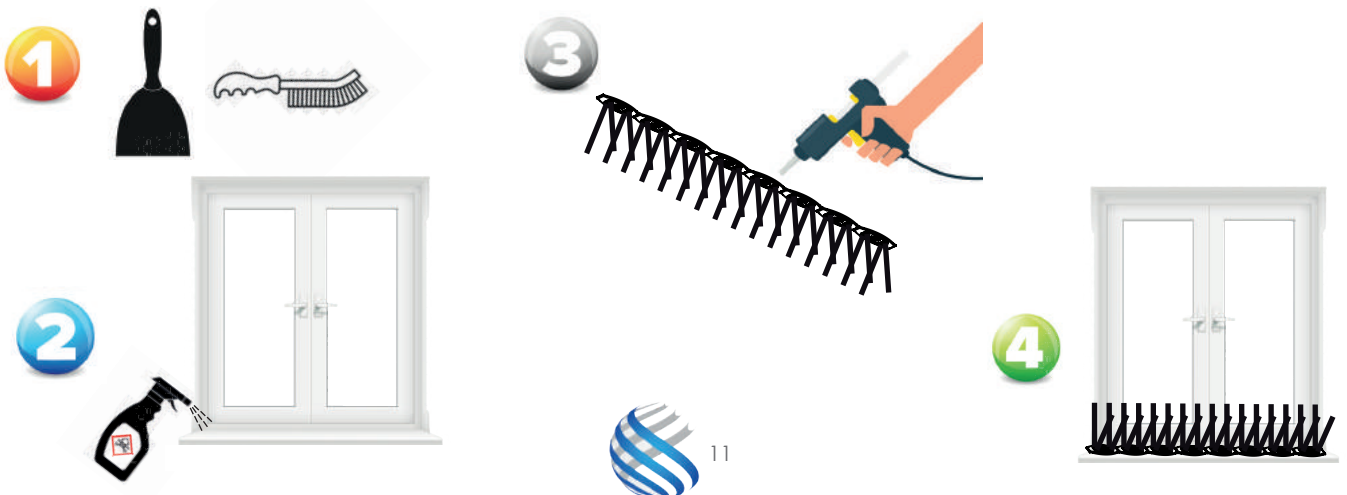
Installation of spikes should be affixed using silicone adhesive. They always should be glued onto a dry, dust- and solvent-free surface, with an installation temperature between +5°C and +40°C and a working temperature between -50°C and +120°C.

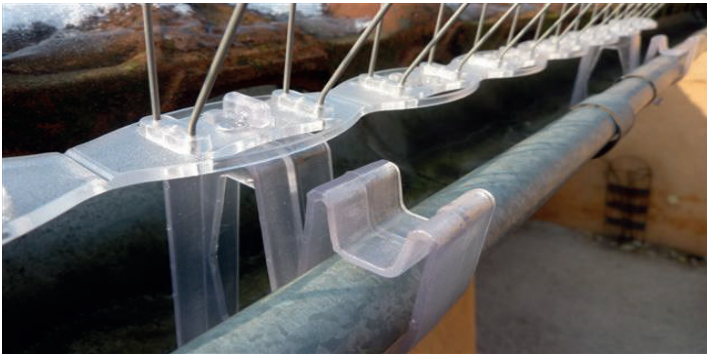
If the surface cannot be cleaned, you can fix the spikes using nails or screws.

Always lay a line of glue at least 0.5 mm wide, on the spikes base.

Never apply a line of glue over a metre long in advance on the surface you want to protect (ledge, roof, etc.). The adhesive can quickly dry slightly before the base will be positioned, preventing the spikes from correctly adhering to the glue. Completely dry within 5 to 8 hours.

For installations on damp surfaces you must use a special quick-drying glue (MS Polymer).





Unique system developed at Polnets which fits to our 3 ranges of spikes perfectly protect gutters (inside and outside).

Material: Polycarbonate  
 Height: 64.79 mm  
 Length: 87.47 mm  
 Width: 20 mm  
 Thickness: 1-2 mm  
 Weight: approx. 20 g  
 UV stabilised

### PACKAGING

Box contain 100 units i.e. 25 lm

### INSTALLATION

4 clips per lm

Directly attach to the base of spikes and fix it to the gutter.

### Installation instruction for PVC and INOX POLPIC gutter clips for spikes against birds

Installation methods :

Using clips allows you to install spikes against birds in places where gluing or screwing is impossible. We offer two types of gutter clips.

#### \* PVC clips

1) Take the clip and insert plastic head to the hole in the base of the spikes.

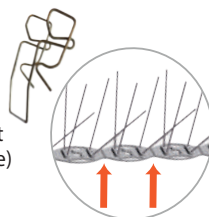
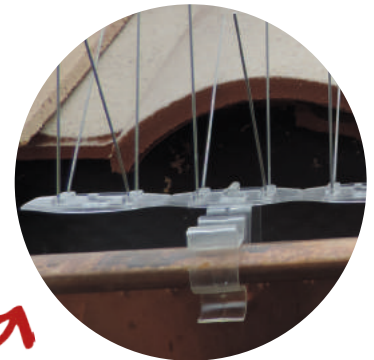
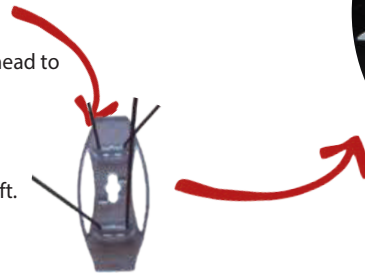
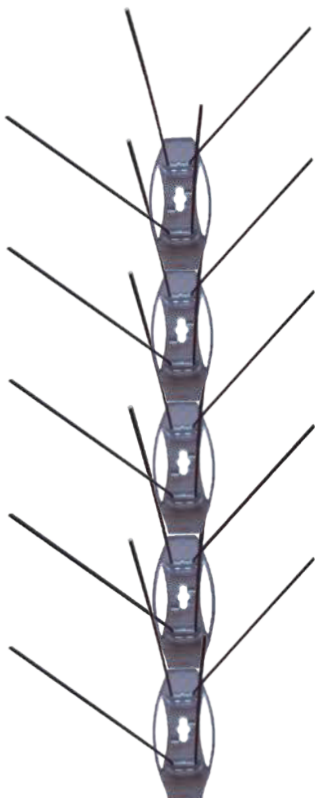
2) Turn the clip about 1/4 to the left.

3) We recommend using 2 clips for a base 50cm (4 clips per 1 MB), after the correct application of the clips, the product is ready for installation on the gutter edge.

#### \* INOX clips

1) Take the clip and put it directly on the base (slide) between the spikes.

2) We recommend using 2 clips for a base 50cm (4 clips per 1 MB), after the correct application of the clips, the product is ready for installation on the gutter edge. This version of the clip don't block the leaves in the gutter.





## Accessoires for installation of anti-bird spikes and netting

For installation of anti-bird spikes and netting are required a specific accessories. POLNETS offers a complementary range of accessories.

Please contact with us to receive complementary offer.

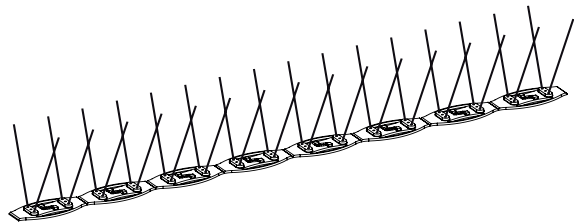


## PACKAGING

We offer packs which suit to your customer segment.

For spikes :

E.g. : 10 lm of spikes + 1 tube of adhesive packed in box.



We offer personalised packs/boxes with your image, references etc.

We can add :  
Barcode label  
Logo label  
Product label  
Traceability label  
Printing your packs



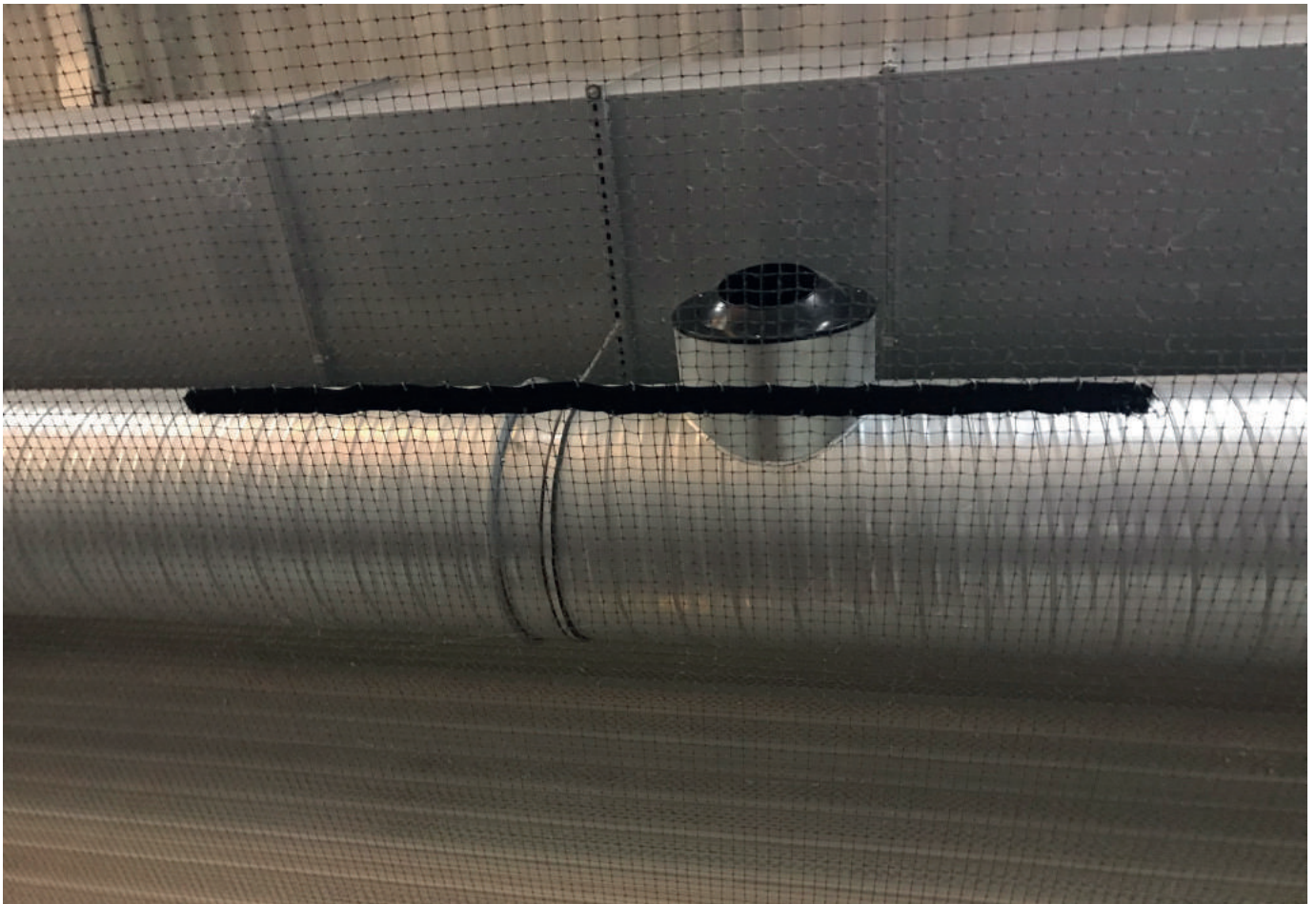
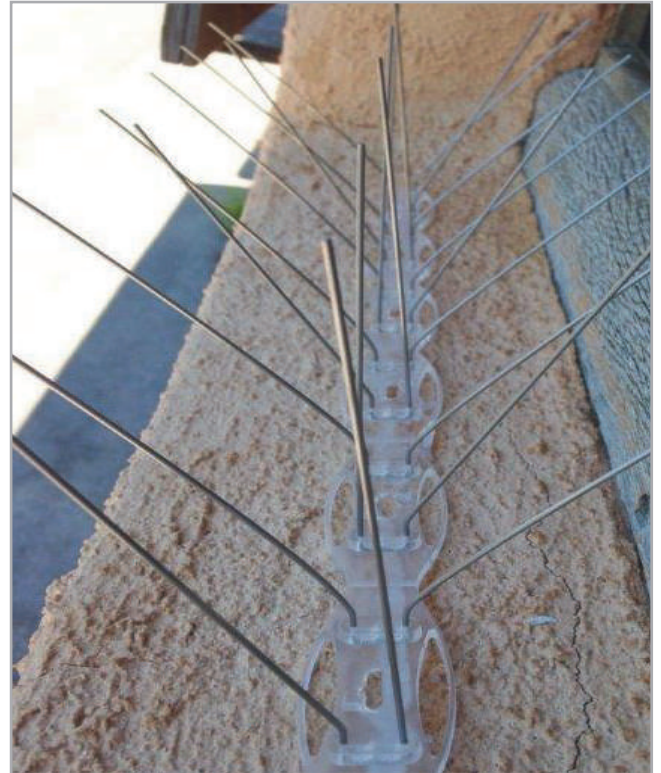
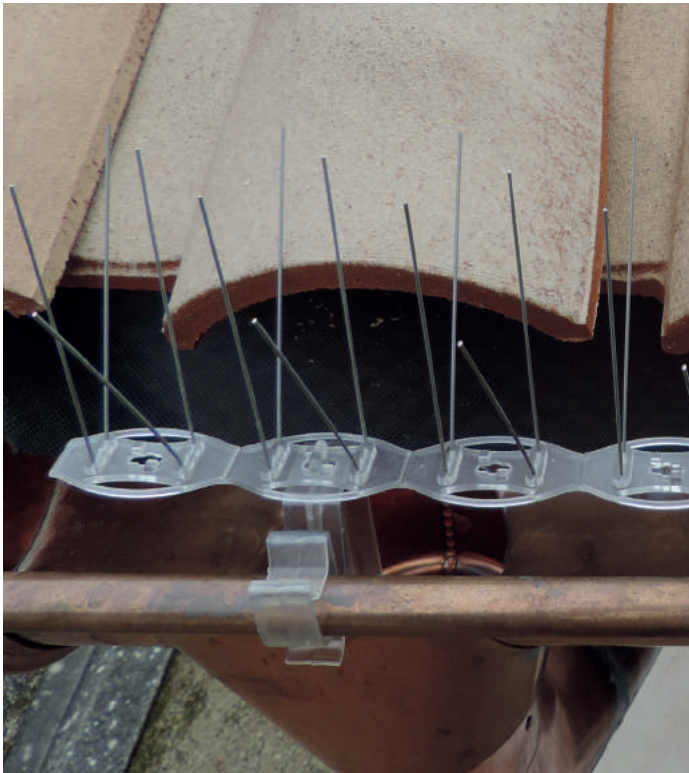
### For netting

Our nets are individually wrapped in bag with a personalised label or packaged in lots.

We offer personalisation of your labels with your logo and individual information.



MATERIAL :	
TWINE :	3X2X600D
MESH :	28 MMSQ
DEPTH :	5 MTS.
LENGTH :	5 MTS.
COLOR :	STONE
REMARK :	









**POLNETS**  
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