Spikes Specification

General

Can have all plastic spikes, all metal, or plastic base with metal wires. Latter generally preferred as all plastic can suffer problems with effectiveness and visibility; and all metal can be more difficult to glue.
Specification of wires and bases can vary significantly – select according to requirement

Wires

Diameter – thicker wires are more difficult for birds to push through
Tensile Strength – spring grade steel is harder to push through
Security – insert moulding rather than just pushing in to plastic base is stronger
Material – 302 grade stainless steel adequate for majority of installations, 316 grade preserves appearance in heavily polluted or marine installations
Angle – wires leaning outwards at circa 45º are more difficult for birds to push through than vertical wires, so are better for heavier pressure
Height – 95mm min for pigeons, 140mm min for gulls
Spacing – 50mm max for pigeons, 40mm better for heavy pressure
Tips – need to be blunt to conform to UK legislation

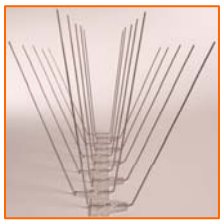
Wires insert moulded into base

Avipoint Options

Avipoint P14
Pigeon, 14 wires
Spread 50mm
Base width 20mm
Protects up to 115mm ledge
Up to medium pressure

Avipoint P20
Pigeon, 20 wires
Spread 140mm
Base width 45mm
Protects up to 205mm ledge
Up to heavy pressure, with care

Avipoint P32
Pigeon, 32 wires
Spread 200mm
Base width 45mm
Protects up to 265mm ledge
Up to heavy pressure



Avipoint G20
Gull, 20 wires
Spread 175mm
Base width 45mm
Protects up to 375mm ledge
Up to heavy pressure

Bases

Material – strength, UV protection, bond-ability
Width – affects stability: wider bases for heavy pressure
Length – 1/3 metre strips – easy to calculate quantities
Height – insert moulding means lower profile/more discreet
Glue Guide – groove in base for easy glue application
Holes – for rivets of glue or for screws

Glue Guide and Rivet Holes

Avipoint Specs

Refer to
www.avipoint.net
for further information

Base
- UV protected polycarbonate
- Glue Guide for easy glue application
- 33.3cm long

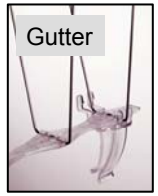
Wires
- Stainless steel 302 (also marine grade option)
- 1.42mm diameter
- High tensile >1500N/mm^2
- Insert moulded into base so wires held tight and base compact with low profile

Packing
- Low profile strips fit closely together in stacks of 5m (15 strips)
- Low profile means 50m cartons are small. Allows easy handling and minimal storage space

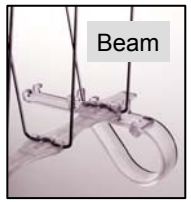
Spikes Installation

AviClips

Straight gutters and some profiled gutters take std Gutter Clip, roll topped gutters need Lipped Gutter Clip



For where spikes stuck on sill would prevent window from opening.
Can be stuck or screwed on.
Use Activator and Avifix and squeeze the glue to 1mm thick max



Saves gluing preparation – can clip straight onto beam without cleaning
Removable for painting

Adhesives

Avisil
Neutral curing silicone. Best product for dry conditions
Cures 2mm/24h (at 20°C/65% RH). Temp range -60 to +180°C

Avifix High Tack
MS polymer. Can be used if slightly damp. Application temp +1 to 30ºC. Cures 2-3mm/24h (at 20°C/65% RH). Temp range -40 to +90°C

Aquafix
For use when it is raining
Does not fully set

Soudafalt
Bituminous elastomere
For anchoring spikes to bitumen or roofing felt
Does not set

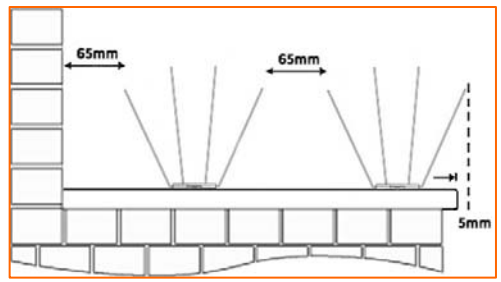
Preparation

- Use scraper/wire brush to remove all dirt, droppings, flaking paint, rust, vegetation
- Use Surface Cleaner to remove grease
- Use Primer 150 on porous surfaces e.g. sandstone
- Use Surface Activator for extra bond strength e.g. when sticking window clips onto PVC frames

Gluing

Apply at least 5mm bead of adhesive into the glue guide, more if the surface is very uneven.

Positioning



Press firmly into place, overhanging the edge of the ledge by 5mm. If fitting multiple rows, allow max 65mm between rows medium pressure and 50mm heavy pressure

Variations

Pipes – use cable ties to prevent spikes falling off before glue cures

Curved Surfaces – split the strips across the snap lines and stick them on as separate sections. Whole strips might spring up

Edge Protection – spikes can be installed just at the edge of a ledge if the perceived problem is only droppings on the face of the building

Refer to
www.avipoint.net
for further information