

# Asset Protection



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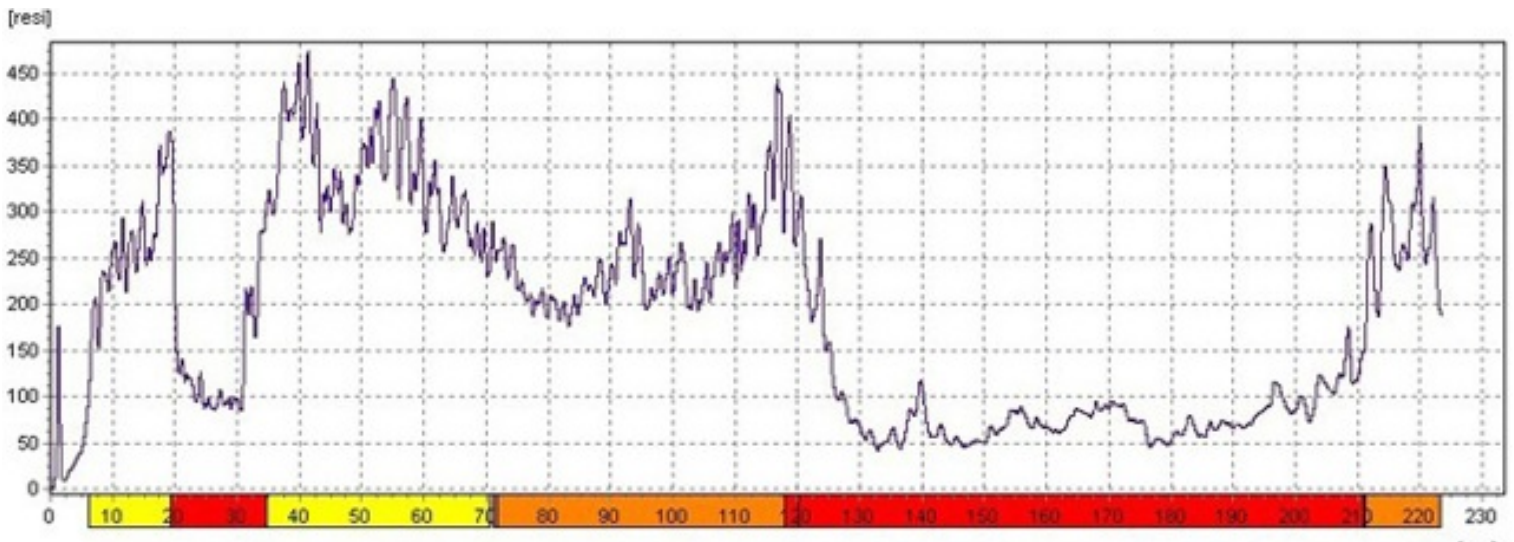
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## Wood Pole Rot / Decay Detection

The IML Resistograph is based on the principle of measuring the drilling resistance  
A drilling needle is inserted into the wood under constant drive.

Accurate ,Fast and Easy  
Instantly See The Level Of Decay  
Check For Ground Rot Without Excavation

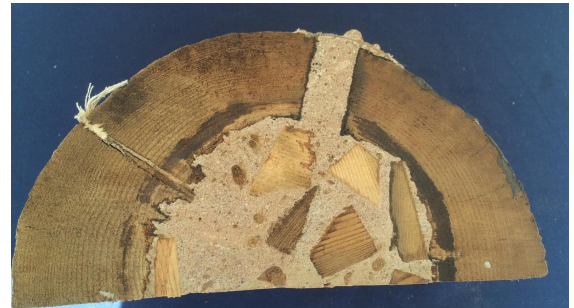




## Sections Of Repairs To Nests



## 1lb & 3lb Kits



# Woodpecker Damage Repair Kits

The IPOLE-WPK Woodpecker Hole Repair provides a total solution to both fixing the structural damage woodpeckers have created as well as preventing future damage at that location.

This amazing foam (expanding polymer concrete) expands to twice its size,

The Exothermic reaction causes the foam to penetrate through any decay to bond into the good wood.

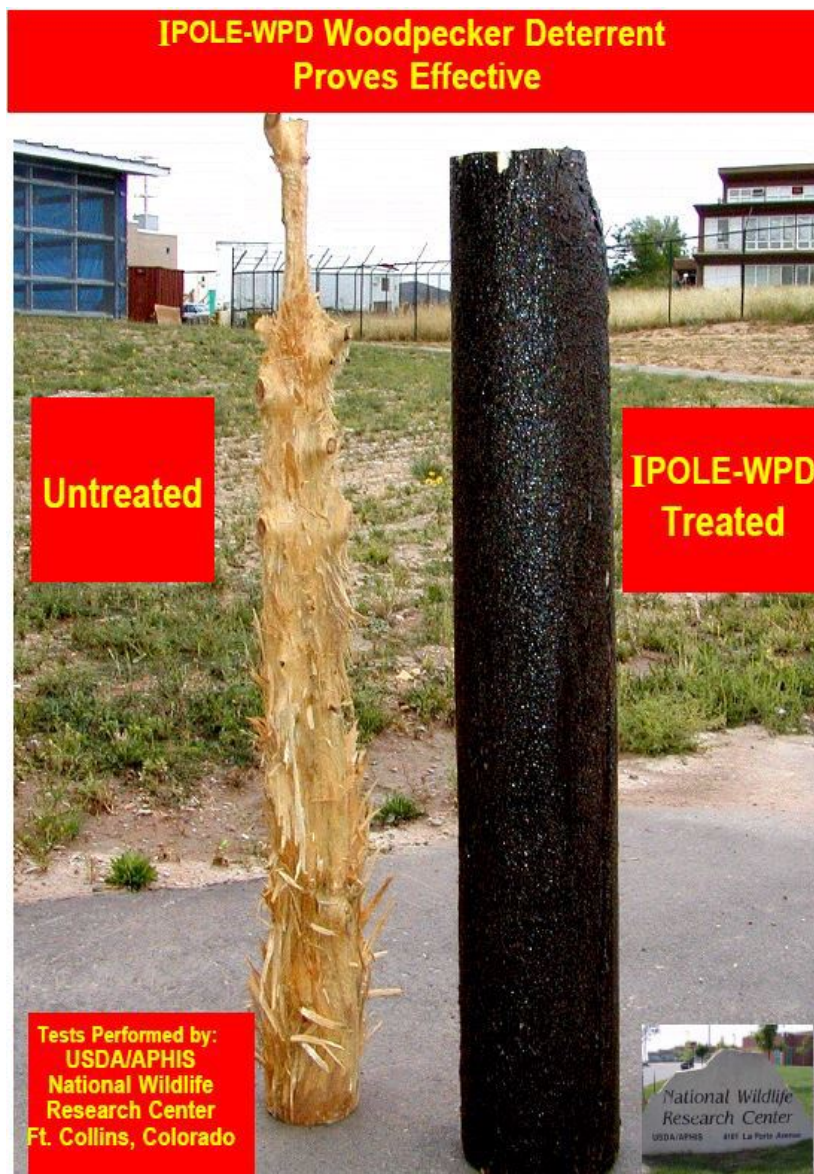
Once cured it will flex and move without separating from the wood.

100% safe no hazardous ingredients all spent material can be disposed of in a normal rubbish / trash bin

20yrs proven track record in the USA

[WPK Woodpecker Repair Video](#)

Available in 1lb and 3lb Kits



## Woodpecker Deterrent Paint

The IPOLE-WPD Woodpecker Deterrent Paints combine a special blend of all natural, organic food fragrances that are encapsulated inside the polymer matrix that woodpeckers and most other pests find displeasing and will avoid.

Controlled tests conducted by the USDA National Wildlife Research Center indicate that up to 97% reduction of wood-pecker activity is possible using this system.



**Typical Examples of Splits in Poles**



**Simple Installation Squeeze out the contents of the tube on the**



**Using the disposable spatula distribute the putty over the surface approx 3mm**



**The finished product flexible, and weather resistant**

## **Pole Top Rot Protection Putty**

Wood poles naturally have cracks in their surface that can extend 30 to 40 mm, these voids allow water to gather and over time will cause decay to form in the pole

Using the IPOLE Pole Putty a permanent flexible cap is formed on the pole top, this unique product has a slow release formula, stops decay as it contains a proven ingredient to rejuvenate the preservative.

Can be either applied in the field while the pole is in service or in the horizontal position while the poles are on the pole pile.

Cure time is approx 1 hr.

Total installation time- 5 to 10 minutes



**Mix**

**Cut**



**Pour**

**Cap**

**Permanent  
Repair**

## Pole Top Rot Repair Kit

The IPOLE WPC Pole Top Repair System uses a fiberglass reinforced expanding polymer concrete to structurally repair a damaged pole.

It is the only expanding repair product on the market.

The combination of high temperature expansion, and low viscosity forces the molten epoxy into the porous wood.

This unique process forms a high strength, fiberglass liner on the top of the pole allowing water to disperse and preventing further damage. In addition, the heat kills the decay, preventing further wood deterioration.

With IPOLE-WPC, the wood pole top is restored and a permanent rot proof cap is installed.

Controlling the epoxy's temperature allows it to be applied year-round.

### **Odorant Impregnated Barrier Sponges**

**Stops squirrels, rats and mice from entering cable guards and chewing cables**



### **Time Release Odorant Pads**

**Perfect for confined areas such as cabinets and pad mounts. Highly effective against ants, spiders, mice, rats, snakes, roaches etc...**



### **Odorant Impregnated Granules**

**Spread in cable trays and ducts will stop unwanted vermin from entering control boxes, transformer housings etc...**



### **Deterrent Caulk and Putty**

**Used where any bird intrusion is a problem**



# **100% Natural Vermin Control**

**Stops vermin from damaging asset's**



# Ground Rot Pole Repair

**Pole Repair Kit to repair ground rot or damaged utility poles**

**Consisting of**

- 1 x Fiberglass sleeve**
- 5 x Resin Kits**
- 1 x Capping Putty**
- 1 x Box Self tapping Screws**
- 6 x lengths of rebar**
- 1 x Pot Ground Rot Paint**





**Excavate around the pole to a depth of 0.7m**



**Cut out Any Decay**



**Fit the sleeve With Self Tapping Screws**



**Mix the Resin**



**Pour in the resin mix**



**Completed Repair**



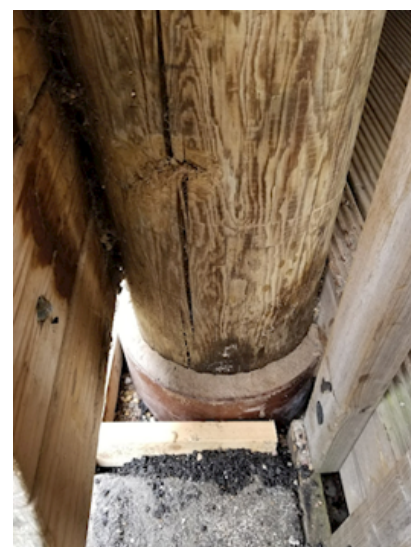
**Before**



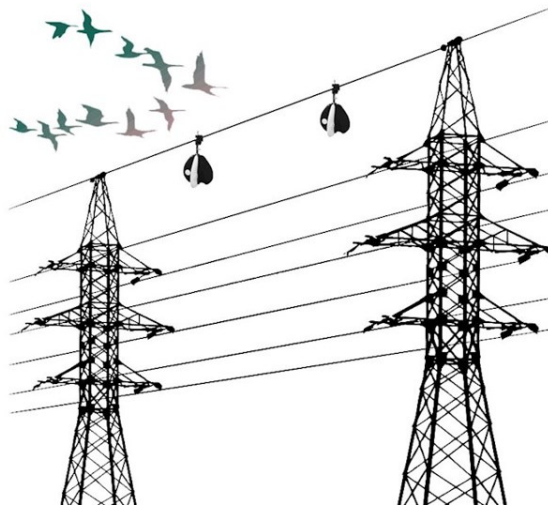
**After**



**Back fill to complete the repair**



## Rotamarka Bird Flight Diverters



### Bird Flight Diverters (ROTAMARKA®)

Bird Wire strikes have been and continue to be a critical issue from an environmental standpoint with many endangered species colliding with both distribution and transmission utility lines.

This also creates problems for the Utilities and their customers with resulting outages and damage to infrastructure.

The Balmoral Bird Diverters have been designed in collaboration with a leading Professor of Biosciences and industry expert.

Built with a unique checkerplate design which has been carefully selected to provide the highest visual impact on birds by providing a high level of internal contrast irrespective of background environmental conditions and light.

The three-dimensional nature of the product is also unique, allowing birds to visualize the product in full from any approach angle.

The custom white colour reflects both sun and moonlight and imitates the native signaling present in the plumage of some bird species.

## Rotamarka Mini Bird Flight Diverter



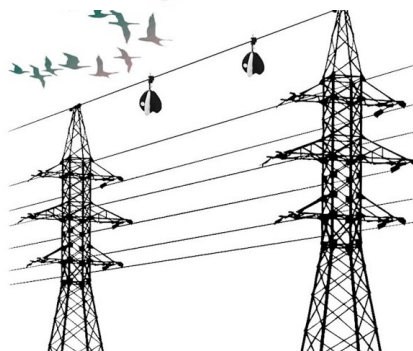
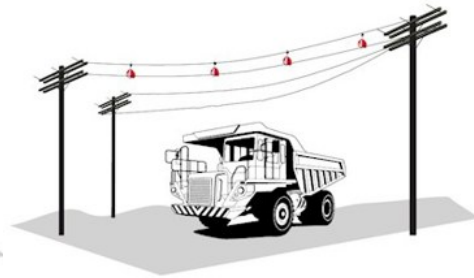
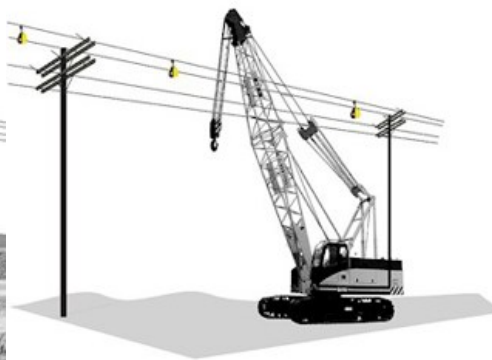
Bird wire strikes are a worldwide phenomenon potentially causing major outages or asset damage as well as further endangering or killing some rare and protected species.

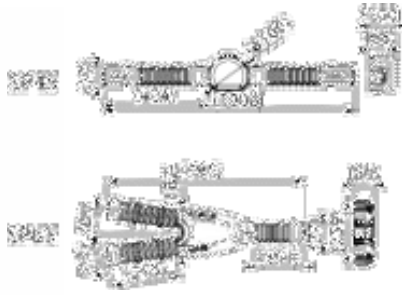
Our 3D Rotamarka® Mini Marker has been specifically designed to mitigate against these risks faced by Electrical Transmission and Distribution Utilities throughout the world.

Custom white colour fins reflects both sun and moon light and imitates the native signalling present in the plumage of some bird species

Complex algorithms have been utilised to optimise the size and shape of the Marker to allow Birds across a range of species sufficient time to avoid a collision

### Other Applications





### Bird protector set 2xSP45 + 2xSP65

SP66 is a bird protection set for single phase consisting of 2xSP45 and 2xSP65 bird protectors.

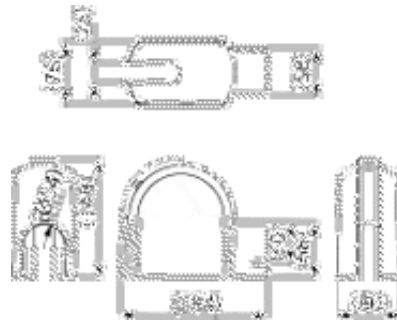
The products are manufactured of weather and UV-resistance thermoplastic material.

The bird protectors prevent failures created by birds or other animals

### Bird protector set For cable terminals SP46-3

Prevents short-circuiting by large birds or airborne debris at surge arresters or cable terminals in medium voltage networks.

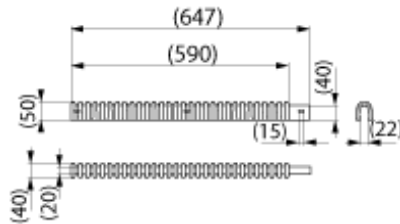
consists of 3 protector units



### Bird protector set For jumpers or conductor SP31-3

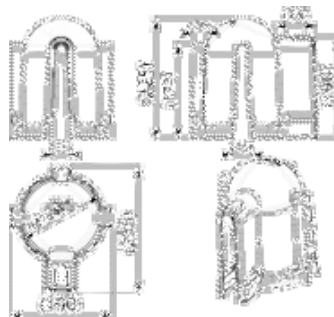
Flexible cover for jumpers or conductors close to insulators.

Can be used together with SP36.3 for pin insulators or transformer bushings. Easy tie fixing. Made of weather and UV resistant plastic.



### Bird protector set For bushings and insulators SP36-3

Used for bushings, insulators and surge arresters in dia. 100-180 mm. Can be used together with flexible protector SP31.3. Easy tie fixing. Made of weather and UV resistant plastic. Delivered in complete sets of 3 pcs for one transformer



## Bird Protection Sets

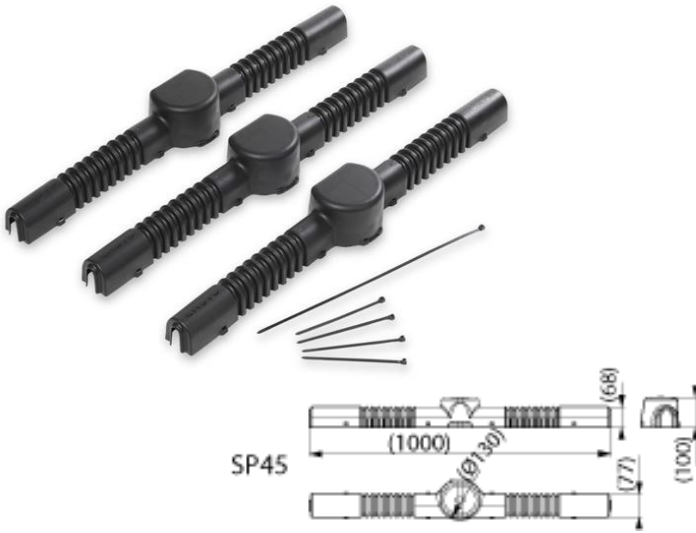
### SP45-3

Bird protector prevents failures created by birds or other animals in bare or covered lines. it is suitable for different pin and line post insulators.

easy to install even in line angles or when the conductor is attached to the neck of the insulator covers arc protecting devices in covered conductor lines and it is weather resistant.

Extra length can be achieved in combination with SP31.3

Delivered in complete sets of 3 pcs

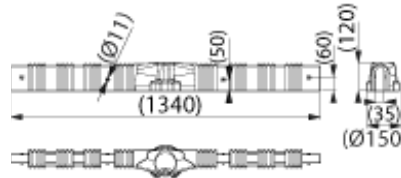


## Bird Protector sets for line insulators

### SP60-3

Bird protector prevents failures created by birds or other animals in bare or covered lines. suitable for different pin and line post insulators. easy to install even in line angles or when the conductor is attached to the neck of the insulator.

covers arc protecting devices in covered conductor lines and it is weather resistant. can be installed in a live line with the aid of special tools



## Bird protector set Flexible cover for LV bushings

### SP38-3

Flexible cover for low voltage bushings, transformers and motors.

Easy tie fixing.

Made of weather and UV resistant rubber

