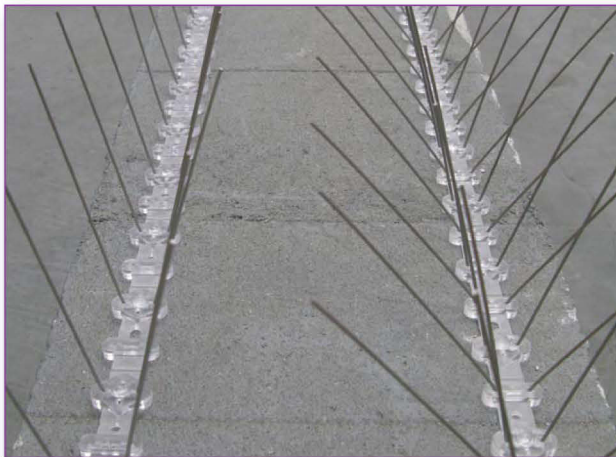


## Bird Spikes – Tips on Installation

Spike systems are an effective system against pigeons and gulls, but not recommended against smaller bird species. These systems will deter birds in most situations, but should it be an established nesting/roosting site, then some birds may be persistent and overcome the system (heavy pressure).



1. Ensure that all surfaces are free from pigeon guano and debris, loose flaking paint etc. Should be cleaned and sanitised by pre treating with Biokil (page 132) to breakdown guano/dirt.
2. Before installing spike system make sure surface is dry to ensure good adhesion of the silicone sealant. In damp conditions a higher specification of adhesive is required, such as Fixall (page 115)
3. Apply silicone adhesive to base of spike using a caulking gun, then immediately position onto surface, and press firmly into place (may need a surface primer for very porous surfaces such as sandstone (page 115)
4. One 310ml tube of adhesive should install between 5-8 metres of spikes.



5. Systems with angled leading spike provide better edge protection, and should be fitted slightly proud of leading edge.
6. Rows of spikes should be a maximum 65mm (2.5") apart for pigeon control, and maximum of 100mm (4") for gulls.
7. Systems can also be fixed using cable ties on pipes/rails or screwed to wooden surfaces.
8. Some systems can be installed onto windows and gutters using specialist clips (pages 111 and 112).