

# State-of-the-Art Innovation Pelco's AeroFlex Backplate

**While conventional backplates increase visibility of traffic signals, they can also add wind and ice loads.**

Pelco has solved this problem with an innovative flexible design that dramatically reduces stress to the backplate, signal, signal mount and mounting structure at elevated wind speeds.

**1**

Universal to most current poly and aluminum signal designs

**2**

Breakthrough design of exterior grade dual durometer thermoplastics that combine rigidity and flexibility where needed

**3**

Standard warranty applies, 10 year material life

**4**

Compounded for maximum weather temperature extremes

**8**

Designed to accommodate 2" or 3" reflective border

**7**

Easy installation & retrofitted

**6**

Fracture Resistant

**5**

Dramatic stress reduction to backplate and backplate attaching hardware  
*\*see chart*



patent pending





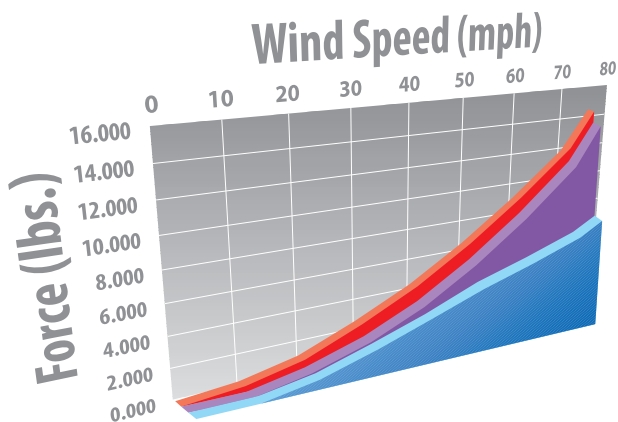
# Pelco's Innovative AeroFlex Flexible Backplate

## Additional Features & Benefits

- *Reduced EPA as wind speed increases*
- *Material resists snow and ice accumulation*
- *State of the art dual durometer material is chemically and mechanically bonded for maximum strength and flexibility*
- *Ability to flex from wind in any direction*
- *Maintenance free - no maintenance, no break, no fade*
- *AeroFlex shipped in Kit Form for easier storage*

## Dramatic Stress Reduction at higher wind speeds

- *Virtually rigid up to 30 MPH wind*
- *37% reduction in stress at 50 MPH wind*
- *47% reduction in stress at 75 MPH wind compared to aluminum louvered and ABS backplates*



■ Aluminum Louvered ■ Rigid ABS ■ Pelco AEROFlex

Dramatic Stress Reduction at higher wind speeds



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NEW Online  
Backplate Matrix!