

# ZPEN® FASTENING SYSTEM

## BRINGING LIGHTNING PROTECTION INTO THE 21<sup>ST</sup> CENTURY

Today's Lightning Protection Systems are attached to structures using one of two unappealing options. First, sheet metal screws and loops are used to mechanically fasten the system to sheet metal surfaces. This creates a penetration every 3 feet wherever the Lightning Protection System (LPS) is installed. That's hundreds, often thousands of penetrations in water tight systems. Second, the no penetration option, is to use an adhesive system using construction mastics. Current adhesive support systems for LPS are visually unappealing, are famously unreliable for long term adhesion, and can't be used on vertical surfaces. These systems use 1900's technology to attach to today's modern structures.

### THE SOLUTION

*use on any sheet metal surface, bare or painted*

The VFC ZPen® Fastening System brings Lightning Protection Systems into the 21st Century. The ZPen® system uses state of the art architectural adhesive tapes with patent pending fasteners to ensure consistent appearance and long lasting adhesion.

"NO MORE SHEET METAL SCREWS" - With VFC's ZPen® Fastening System the Building Owner and Architect get the best of both worlds. The system creates no support penetrations to any flashing or sheet metal surfaces, and is mounted to the surfaces with an attractive patented support clip with no ugly construction mastic.



### 25 YEARS OF 3M EXPERIENCE

#### 10 YEAR ADHESION WARRANTY

The Architectural Adhesive Tapes in the VFC system are the same ones that have been used since the 1980's to support exterior architectural metal panels. They are in current use all over the world in the harshest exterior environments. If this system is good enough for the exterior panels on the Walt Disney Concert Hall, it's good enough for your Lightning Protection System. So good, we provide a 10 Year Adhesion Warranty. Architects, Building Owners, and Roofing Consultants are demanding a better attachment system. The VFC ZPen® Fastening System is the solution.



\*THIS PRODUCT MAY BE SUBJECT TO PATENT RIGHTS OF VFC.  
CONSULT YOUR PATENT ATTORNEY ABOUT YOUR RIGHTS AND  
RESPONSIBILITIES REGARDING PATENTED PRODUCTS.

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### ZPEN<sup>®</sup> WARRANTY

*10 year warranty*

VFC warrants the use and applications of architectural 3M™ VHB™ tapes in the implementation of its ZPen<sup>®</sup> methodology for installation of Lightning Protection Systems. VFC will at its own expense, promptly repair and/or replace (in its sole discretion) any adhesion point of a ZPen<sup>®</sup> installation found to be defective within ten (10) years of the substantial completion of the ZPen<sup>®</sup> Lightning Protection System. For complete warranty details contact your local VFC representative.

### APPLICATIONS

*parapets caps, sheet metal roofing, skylights, hvac equipment, steel tanks & more*



### SPECIFY ZPEN<sup>®</sup>

*on your next project*

Simply insert the following paragraph into the Fastener Section of your Lightning Protection Specification.

All fasteners to be VFC ZPEN<sup>®</sup>#ZP3412 with appropriate loop supports. No support penetrations shall be made in any sheet metal flashing or roof top equipment. Sheet metal screws shall not be used. Appropriate adhesive supports and construction mastic may be used on Membrane roof surfaces only. Adhesive supports and construction mastic shall not be used on any sheet metal surfaces.

The contractor shall furnish 10 Year Adhesion Warranty on the VFC ZPEN<sup>®</sup> Fastener System.

For a complete VFC Lightning Protection Performance Specification, ZPen<sup>®</sup> AutoCAD Details, or more information on ZPen<sup>®</sup> contact us today!

**CONTACT US TODAY TO LEARN MORE!**

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WE ARE LIGHTNING PROTECTION

**LYNCOLE**  
**XIT<sup>™</sup> GROUNDING**  
A DIVISION OF VFC

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