



## WDF – Winddeflector

Wind deflectors for roof NSHEVs

*Powering your ideas!*

## **WDF – Winddeflector D+H roof smoke exhaust systems in connection with wind deflectors**

### **What does the Standard specify?**

EN 12101-2 is a product standard which governs the testing and certification of NSHEVs (Natural Smoke and Heat Exhaust Ventilators). Among others, the current draft of this standard pr EN 12101-2 defines the following:

- Roofs: exterior building surfaces with an inclination of 60° or less, relative to the horizontal plane
- Shed roofs and lighting strips shall be regarded as part of the roof, irrespective of their inclination
- For roof NSHEVs the aerodynamic efficiency is determined with and without taking into consideration crosswind effects

**(Excerpt from EN 12101-2)**

### **Therefore:**

When subjected to wind, aerodynamic efficiency can easily be achieved for roof NSHEVs with the D+H WDF – Winddeflector. Local wind flow is effectively guided over the opened area of the NSHEVs.

## Applications

- Roof NSHEVs (Natural Smoke and Heat Exhaust Ventilators)

## Properties

- Universally matching D+H installation kits for
  - appealing glass solutions
  - optional sheet metal solutions

## Advantages

- Significantly improved aero dynamic values
- D+H solutions for numerous system buildings are available
- EN 12101-2 certified
- No wind direction dependent SHEV control system required
- Savings through reduction of the number of required NSHEVs for a building
- Simple planning and installation through detailed documentation
- Design reliability based on compliance with standards



### **WDF – Winddeflector**

Optimal interaction of functionality and design

## D+H solutions for:

### Glass wind deflectors up to 300 mm

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### Sheet metal wind deflectors up to 600 mm

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Contact your local D+H partner regarding the  
current status of certification:

[www.dh-partner.com](http://www.dh-partner.com)



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