

# ESDEC

INNOVATIVE MOUNTING SYSTEMS



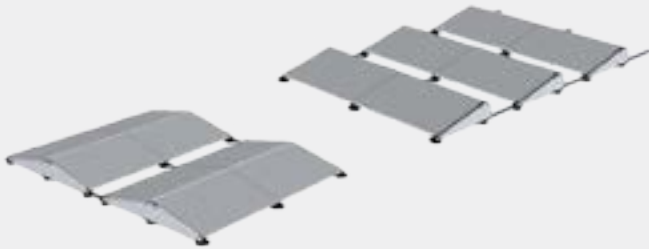
## THE INNOVATIVE AND QUICK SYSTEM FOR FLAT ROOFS

**FLATFIX** FUSION



[www.esdec.com](http://www.esdec.com)

# THE STRONG POINTS OF FLAT FIX FUSION



## 🕒 SINGLE OR DUAL SETUP

- South
- East-West
- North-South



## 🕒 INSTALLATION TIME

- Click joints instead of screws
- One single tool for the installation of the panels
- Fixed dimensions, no measurement errors

## 🚚 TRANSPORT AND HANDLING

- Minimal number of components
- Lightweight
- Shorter profiles for easy transportation
- Fixed measurements



## 🏠 THERMAL EFFECT COMPENSATION

- Lightweight, requires little ballast
- Self-levelling base plates
- Low point loads
- Applicable to any type of roof cladding
- Different types of ballast possible



## 🌀 AERODYNAMIC CLOSED SYSTEM

- Storm resistant
- Less forces on the solar panels, extending lifespan
- Passively cooled, enhancing efficiency
- Aesthetic



## UP TO 40% FASTER INSTALLATION

FlatFix Fusion is a revolutionary and lightweight racking system for solar panels on both large and small surface flat roofs. The system can be mounted in different ways so as to come to the ideal solution. Flatfix Fusion was designed for quick and easy mounting of solar panels on a flat roof, while minimising the number of components needed. The main components are being assembled by means of a simple click system. The mounting of the actual solar panels requires only a single tool.

### Thermal effects

The various components are connected to each other through clickable left. Additionally, the system can 'glide' over the stationary roof supports without them coming loose from the main elements. This way, the thermal effects of the building are not passed on to the PV system and vice versa. This prevents damage to the PV system or the roof cladding.

### 20 year warranty

With over 1Gw of racking installed world wide, our innovative European designs are the Number 1, highly reviewed choice for leading Solar PV Installers. Our Flatfix Fusion products have been thoroughly tested and are produced with only the highest quality materials. This enables you to deliver a top quality installation that carries the 20 year Flatfix product warranty with pride.



Quick and easy assembly



100% Dutch product

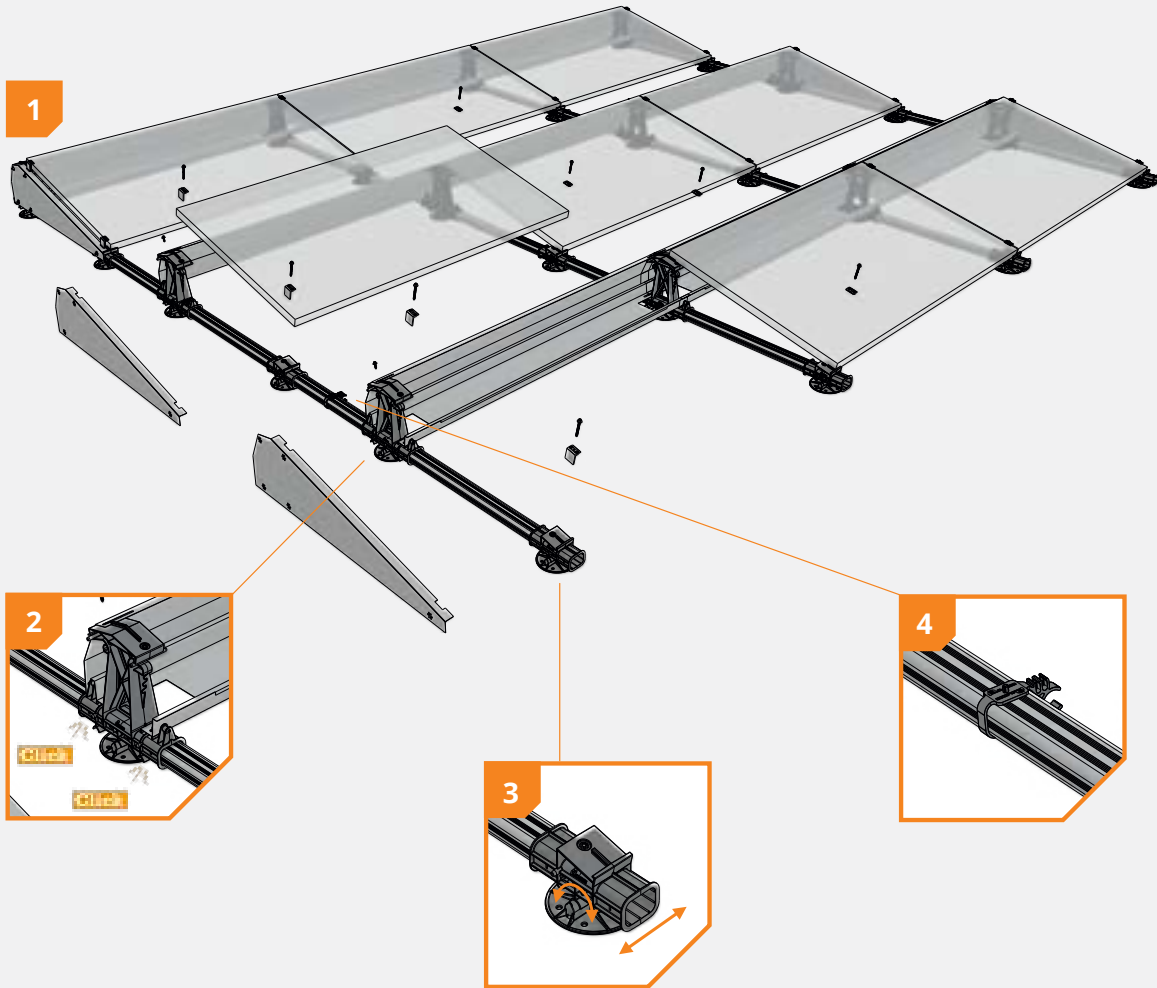
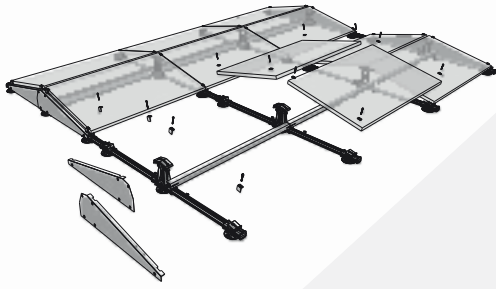


One-tool approach



20 year warranty

## Dual formation



### 1 Lightweight system

The system only needs to be ballasted on a few strategic points due to the interconnected and closed structure. This keeps the additional roof load very low.

### 2 Unique click connection

The revolutionary and unique click connection makes the FlatFix Fusion system a very quick and easy to install mounting system. Only one tool is required to mount the solar panels.











### 3 Unique thermal-effect compensation built-in

The FlatFix Fusion system is thermally disconnected through self-aligning roof supports. The system can 'glide' across the roof supports, whereby the forces are not transferred to the roof and vice versa.

### 4 Integrated cable management system

FlatFix Fusion is equipped with an integrated cable management system. The cables and plugs of the solar panels can be simply attached to the mounting system. This reduces the chance of malfunctions in the cabling.

## SYSTEM COMPONENTS

	<b>FlatFix Fusion Base Plate</b> 1007010		<b>FlatFix Fusion Wind Deflector Left**</b> 1007055
	<b>FlatFix Fusion Low Base</b> 1007020		<b>FlatFix Fusion Wind Deflector Right**</b> 1007056
	<b>FlatFix Fusion High Base</b> 1007030		<b>FlatFix Fusion Ballast Container 1600*</b> 1007060
	<b>FlatFix Fusion Cableclip optimizer ready</b> 1007041		<b>FlatFix Fusion Stabilizer 1600*</b> 1007070
	<b>FlatFix Fusion Wind Deflector Rear 1600*/**</b> 1007050		<b>FlatFix Fusion Base Profile**</b>
		210mm	1007121
		370mm	1007137
		550mm	1007155
		750mm	1007175
		940mm	1007194

\* Also available in 1200, 1500, 1700 & 1900

\*\* Also available in black

## FASTENINGS

	<b>Esdec Mounting screw*</b>	
	6,5x19mm	1006519
	6,5x55mm	1006555
	6,5x60mm	1006560
	6,5x63mm	1006563
	6,5x70mm	1006570
	6,5x75mm	1006575



\* Dependent on panel height and corresponding end clamp

## SYSTEM COMPONENTS

	<b>FlatFix Fusion Grounding Ring</b> 1007501
	<b>FlatFix Fusion Grounding Spring</b> 1007502
	<b>FlatFix Fusion Grounding Clip</b> 1007505
	<b>Esdec Mounting screw Colour cap black</b> 1006500

\* In combination with black systems

## CLAMPS

	<b>Esdec Module clamp**</b> 1003020
	<b>FlatFix end clamp 31-50mm*/**</b> 10041__

\* Dependent on panel height, panel height is mm

\*\* Also available in black

## Calculation

Calculation tool available for:

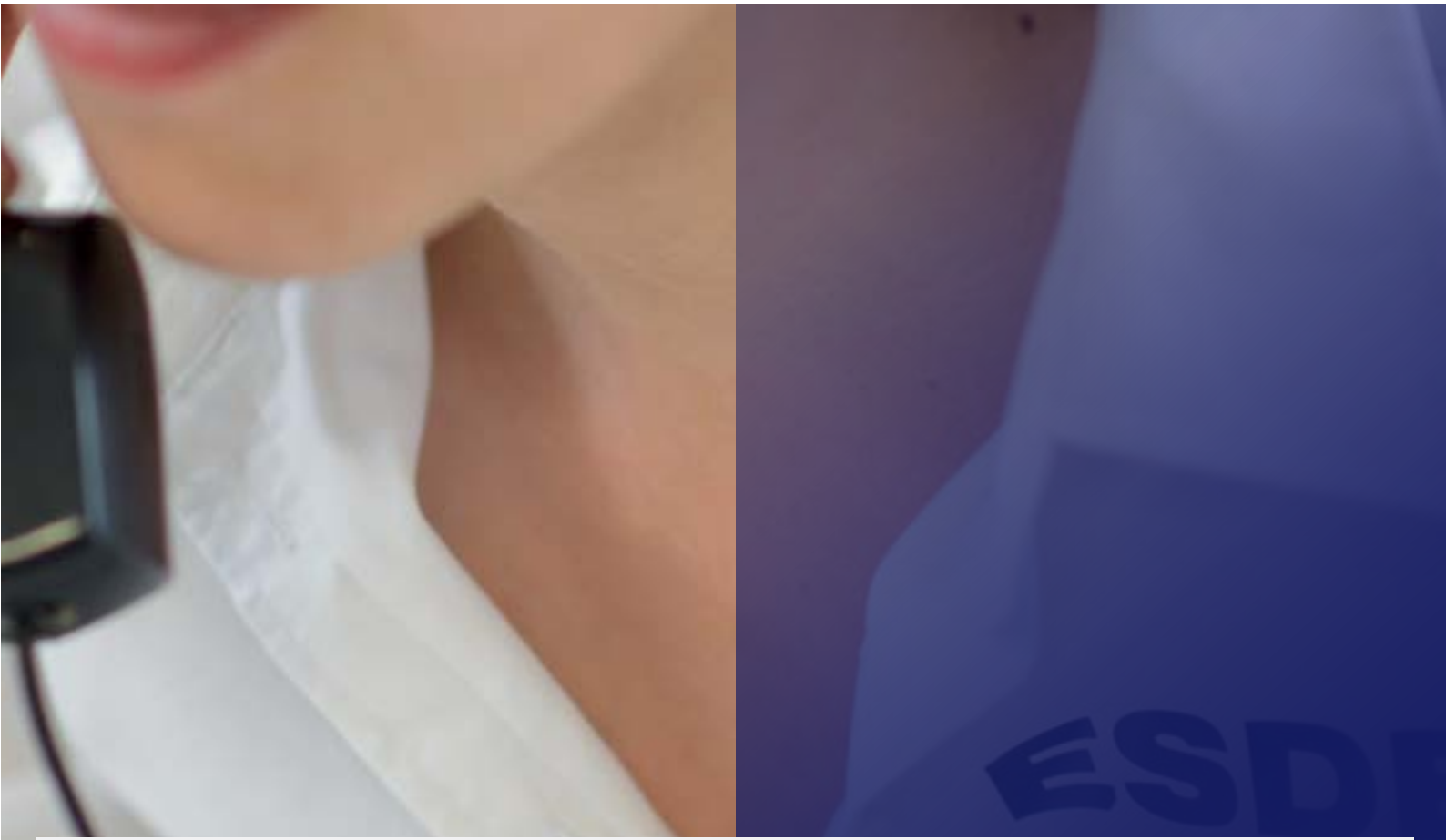
- Calculation of ballast
- Materials needed
- Construction drawing



## Warranty

- Use of high grade high-tech materials
- Wind tunnel tested
- 20 year warranty





**QUICK  
RELIABLE  
INNOVATIVE**

## **MAKE THE CONNECTION WITH ESDEC**

Esdec has been developing, producing, and supplying professional roof-mounting systems for solar panels since 2004. ClickFit and FlatFix are inspired by all installers who regularly install solar panels. Easy, fast, reliable installation using innovative, high-quality, durable mounting systems: Esdec makes it possible.

### **Esdec**

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