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IN ENERGY**

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**MECAFIX<sup>©</sup>**



## TECHNICAL DATASHEET MECAFIX<sup>©</sup>



### LAND ADAPTABILITY



### WIND+SNOW+SEISMIC LOADS



### TAILOR MADE DESIGN



### MINIMAL MAINTENANCE



### EASY ASSEMBLY NO SPECIAL TOOL REQUIRED



### WIND TUNNEL TEST



### LONG-TERM WARRANTIES

### BASIC SPECS

STRUCTURAL SYSTEM: **double pile MECAFIX**

CONFIGURATION: **1/2/3 portrait & 2/4/6 landscape**

TILT ANGLE: **0° to 45°** (adaptable to customer requirements)

DIMENSIONS: **According to the particularities of the project** (module, string, loads, topography and soil type)

MODULE: **ALL market modules supported** (framed, glass to glass, bifacial)

FOUNDATIONS: **Ramming / Pre-drilling / Concrete foundations / Ground screw**

### MATERIALS

STRUCTURE / PROFILES: **S355/S275+HDG100/S350GD+MAGNELIS ZM310**  
**SS Grade 340+HDG100/A572+MAGNELIS ZM310**

FIXATIONS: **GR8.8 + TZN/SS A2**

**A193B7/A354BC +304/18/8 stainless steel**

### CALCULATION CRITERIA

MAX WIND RESISTANCE: **72 m/s**

MAX SNOW RESISTANCE: **2.8 KN/m<sup>2</sup>**

WIND TESTS: **RWDI/CPP WIND TUNNEL**

ENVIRONMENTAL CORROSION: **C1-C5** (C3 as standard)

SLOPE NORTH-SOUTH: **12%**

SLOPE EAST-WEST: **15%**

GROUND CLEARANCE: **up to 1.00 m**

### WARRANTY

DESIGN & MANUFACTURING DEFECTS: **Up to 10 years**

STRUCTURE: **Up to 12 years**

CORROSION: **Up to 30 years**

### REGULATIONS

**EUROCODES 1-3-4**

**ASTM/ASME / SAE**

**ASCE 7-10**

**ISO 9001-14001**

**ISO 1461/ASTM 123**

### BENEFITS

**TAILOR MADE MODULATOR STRUCTURE**

**QUICK AND EASY TO INSTALL:** Screw fixing system.

No cutting, drilling and welding required on site

**REDUCTION OF CIVIL WORKS**

**MINIMAL O&M INVESTMENT:** Thanks to the simplicity and reliability of the system