



E-LINE MBR-SS

Roof Membrane Solar Mounting System



E-LINE MBR-SS

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E-LINE MBR-SS

►► Company Profile



EAE Group in numbers;



1973
year of foundation

Founded in 1973, EAE Elektrik A.S. being the parent company of EAE Group is a worldwide manufacturer of electrical products.



280.000m²
closed manufacturing
area

Founded : in 1973
Closed Manufacturing Area : 280.000m²
Range of Products : Busbar Power Distribution Systems
Lighting Busbar Systems
Cable Tray Systems
Underfloor Trunking
Trolley Busbar Systems



5
manufacturing
plants

Companies : EAE Elektrik
EAE Aydınlatma
EAE Elektroteknik
EAE Teknoloji
EAE Makina



3
R&D Centers

Number of Plants : 5

"Lean Production" and "Innovative and Customer Driven Product Development" approaches are the key values utilized in designing and manufacturing the product families in compliance with ISO 9001, ISO 14001, ISO 45001 and ISO 27001.



100+
countries of export

EAE Elektrik A.S. busbar products are certified by KEMA/DEKRA (Holland), KEMA – KEUR, UL classified laboratories as per IEC 61439-1/6 standards. EAE also has local certifications for specific market.



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E-LINE MBR-SS

►► Introduction

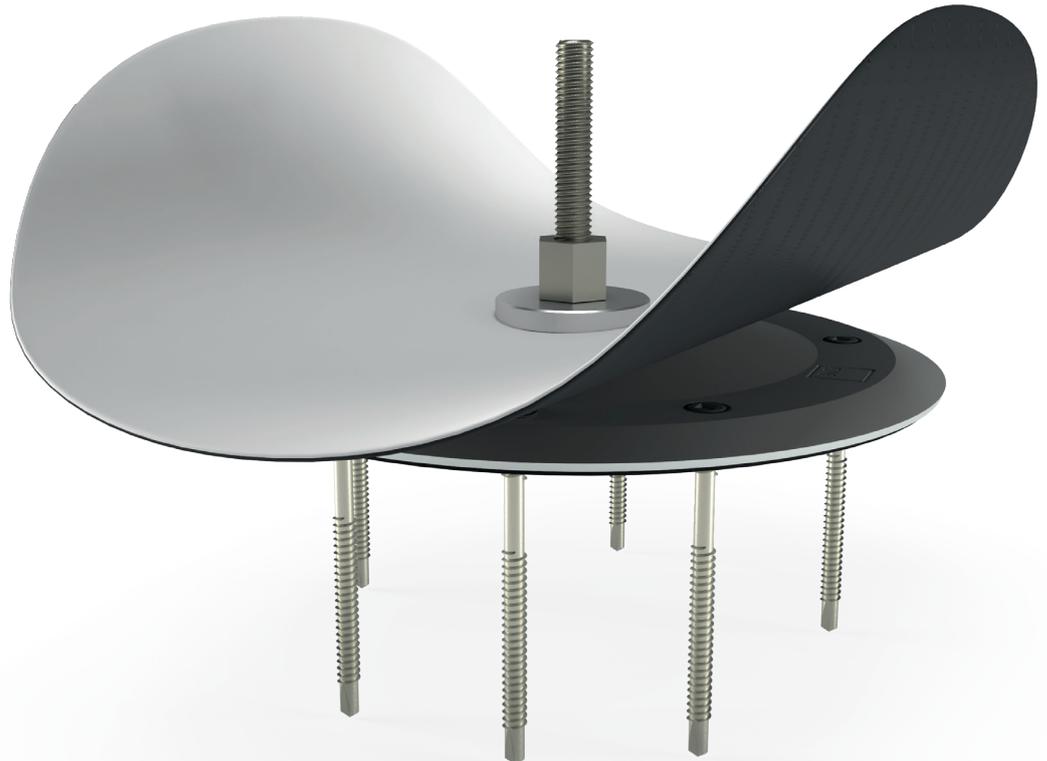


E-Line MBR-SS, It is designed as an additional "Installation Kit" for securing solar panels to ballasted or ballastless construction systems of roofs covered with a thermoplastic single-ply (i.e. TPO and PVC) roofing membrane.

E-Line MBR-SS it can also be used to secure lighting equipment.

E-Line MBR-SS Mounting Kits provide a secure attachment directly to the roof frame or structural members. Thus, it takes its load from the membrane roofing and transfers it to the structural elements where it belongs.

E-Line MBR-SS Mounting Kits, which are properly applied and installed, can help maintain the continuity of the leak proof structure of the existing membrane coating on the roof by eliminating the movement of the panel carrier construction system.



Features and Benefits

- Properly utilized and installed, **E-Line MBR-SS** Mounting Kits provide a secure connection to the structural members of the roof, thus helping to maintain the existing sealed structure.
- **E-Line MBR-SS** Mounting Kits, which are properly utilized and installed, receive the wind load from the membrane coating and transfer it to the structural elements of the roof.
- Thermoplastic single layer (ie TPO and PVC) roof membrane coating, ballasted panel carrier construction system that helps protect it from damage caused by movement.
- Thanks to its simple and quick installation thereby saving time and money.
- The wide membrane plate, which utilizes the same brand as the existing membrane coating on the roof to be utilized, facilitates welding by using the appropriate equipment and heat treatment at the correct temperature level of the roof coating.
- Compatible with almost all TPO and PVC membranes.
- The 180 mm diameter stainless steel disc element provides higher mechanical strength with its curved structure.
- M10x75 rod and M10 AKB Flange Nut used in **E-Line MBR-SS** Mounting Kits are corrosion resistant and manufactured from stainless steel.

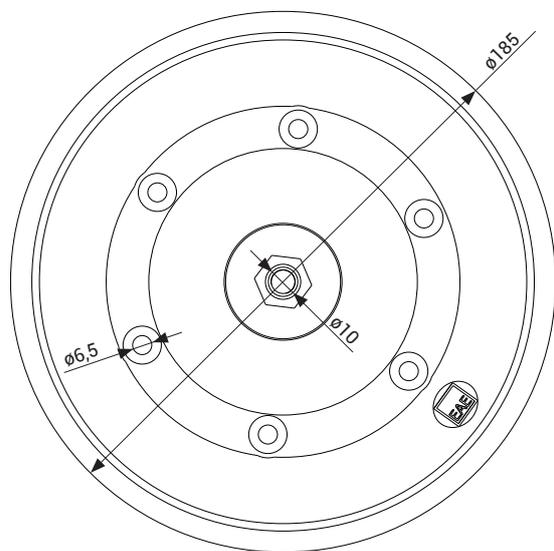
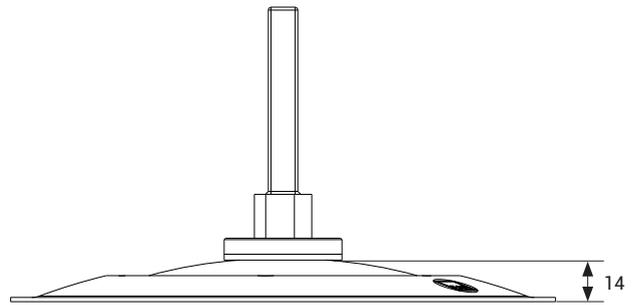
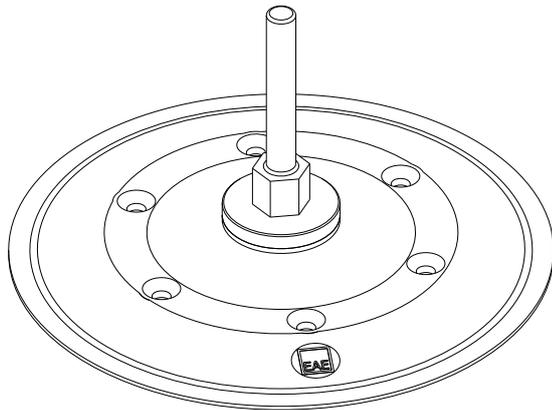
E-LINE MBR-SS

►► Technical Specifications



► Product Data / Features

PRODUCT	TEST TYPE	TEST EQUIPMENT USED	RESULT
E-LINE MBR-SS	Tension	MTS 322 Test Frame 100 KN Side Load 25 KN Universal Testing Machine	Measured Max. Tensile Force 396 Kgf
E-LINE MBR-SS	Cutting	MTS 322 Test Frame 100 KN Side Load 25 KN Universal Testing Machine	Measured Max. Cutting Force 1.245 Kgf
E-LINE MBR-SS	Sealing	Glass Pool on Steel Table Dimensions of 50x50x50cm	No Water Leakage Occurred During 7 Calendar Working Days Of Testing

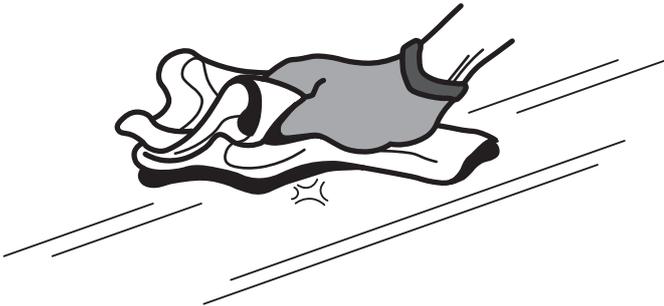


E-LINE MBR-SS

►► Application Method

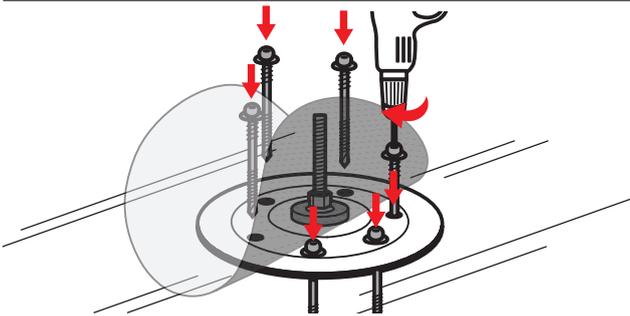


► Application Steps



Step 1

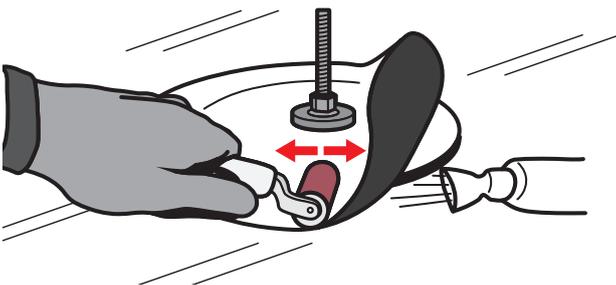
Mark the area where the E-Line MBR-SS mounting kits will be attached. Make sure that the surface to be utilized is completely cleaned of dirt and foreign substances.



Step 2

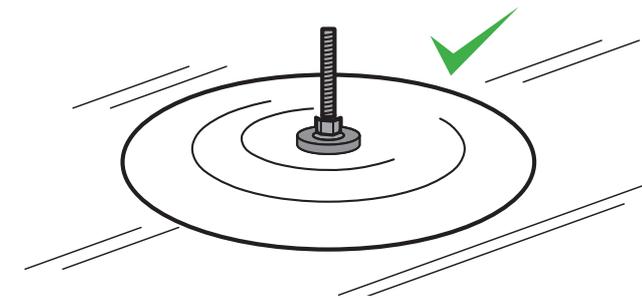
Attach the E-Line MBR-SS mounting kits as specified in the project and adhere to the fixed project.

During assembly, be careful not to break or crumple the membrane plate on the E-Line MBR-SS mounting kit.



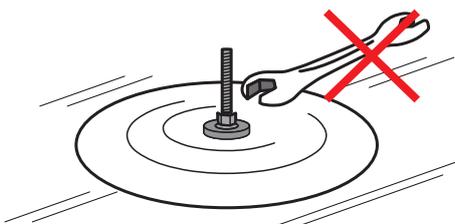
Step 3

Ensure that the membrane plates in the E-Line MBR-SS mounting kits bond to the roof using heat treatment and the appropriate equipment in accordance with the data specified by the membrane manufacturer.



Step 4

Complete the E-Line MBR-SS assembly and then continue by following the same steps for the next product assembly.



E-Line MBR-SS has been tightened to 116Nm. Do not apply additional load!

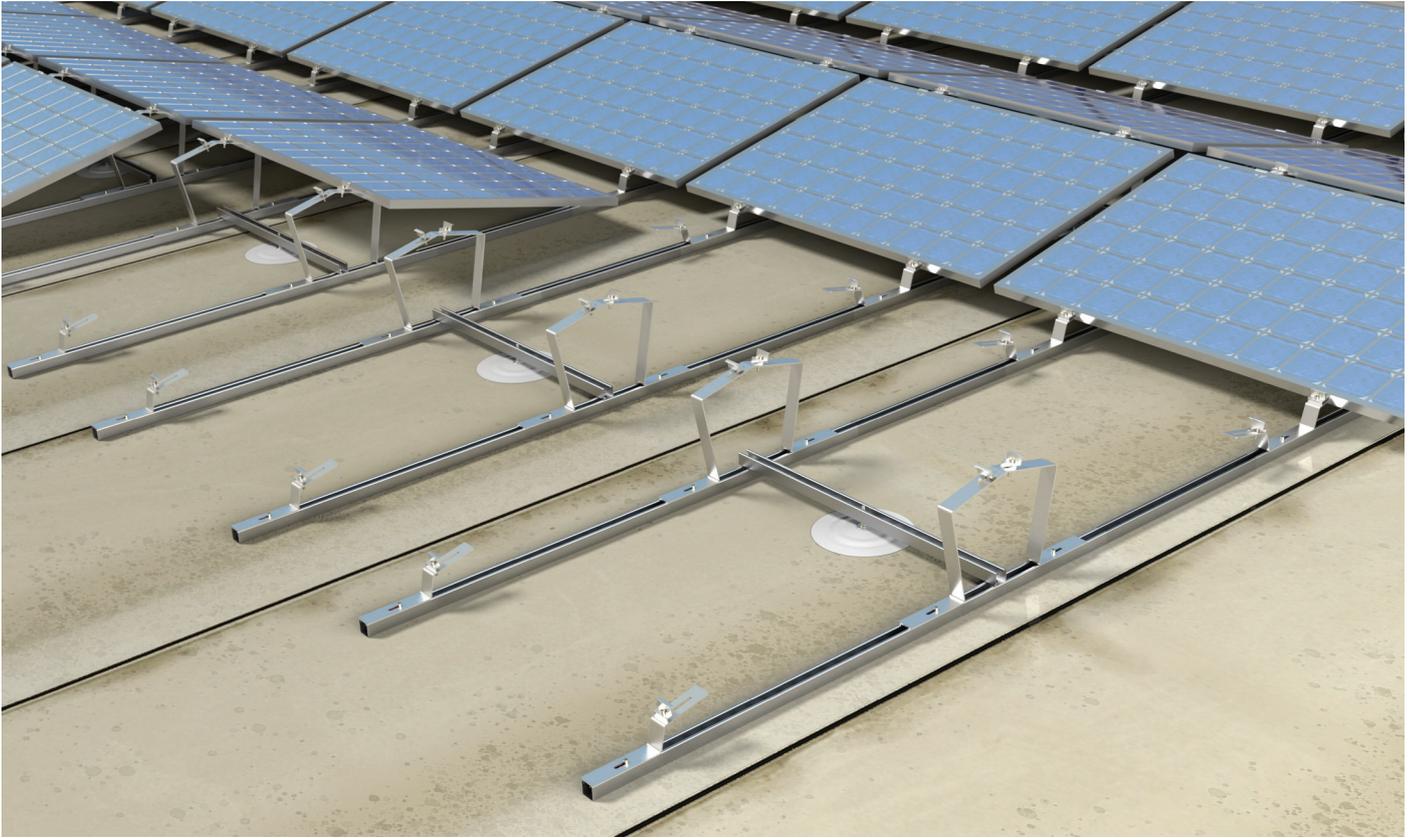


Warning! In cases where torque is applied by yourselves, our company is not responsible for any loosening that may occur to the product, damages on the screw points, or leaks occurring on the floor.

E-LINE MBR-SS

▶▶ Application Examples

▶ Binrak Profile Application, East/West Direction



▶ Aluminum Profile, Flat Roof Application



E-LINE MBR-SS

►►References

Aluminum Profile, Flat Roof Application



Binrak Profile Application, East/West Direction



Binrak Profile Application, East/West Direction



PRODUCT GROUPS

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