

RUBBERFIX[®]

PHOTOVOLTAIC FIXING SYSTEM



The first waterproof
anchoring system



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RUBBERFIX[®] ANCHORING SYSTEM FOR PHOTOVOLTAIC PANELS ON WATERPROOFED ROOFINGS WITH EXPOSED SYNTHETIC MEMBRANE



ADVANTAGES OF THE RUBBERFIX[®] SYSTEM

- **ENSURES THE INTEGRITY OF THE WATERPROOFING LAYER**
 - Does not require any perforation.
- **OFFERS A LIGHTWEIGHT SYSTEM (0,5 Kg/m²)**
 - Avoids the use of heavy ballast to resist the wind action.
 - Does not overload the roof slab.
 - Offers the lightest anchoring system for photovoltaic generators on the market.
- **ALLOWS EASIER AND FASTER INSTALLATION**
 - Easy, safe, and quick installation.
- **FACILITATES PERIODIC MAINTENANCE OPERATIONS**
 - Allows the disassembly of damaged panels without altering the waterproofing system.
- **ENSURES DRAINAGE OF RAINWATER**
 - Does not affect the slope for rainwater drainage.
- **UNLOADS STRESSES ONTO THE BASIC STRUCTURAL SUPPORT**
 - Stresses on the photovoltaic system, induced by wind forces, are discharged directly onto the load-bearing structure, not onto the waterproofing system.
- **SAFE AGAINST FIRE**
 - BROOF version is available for its components.





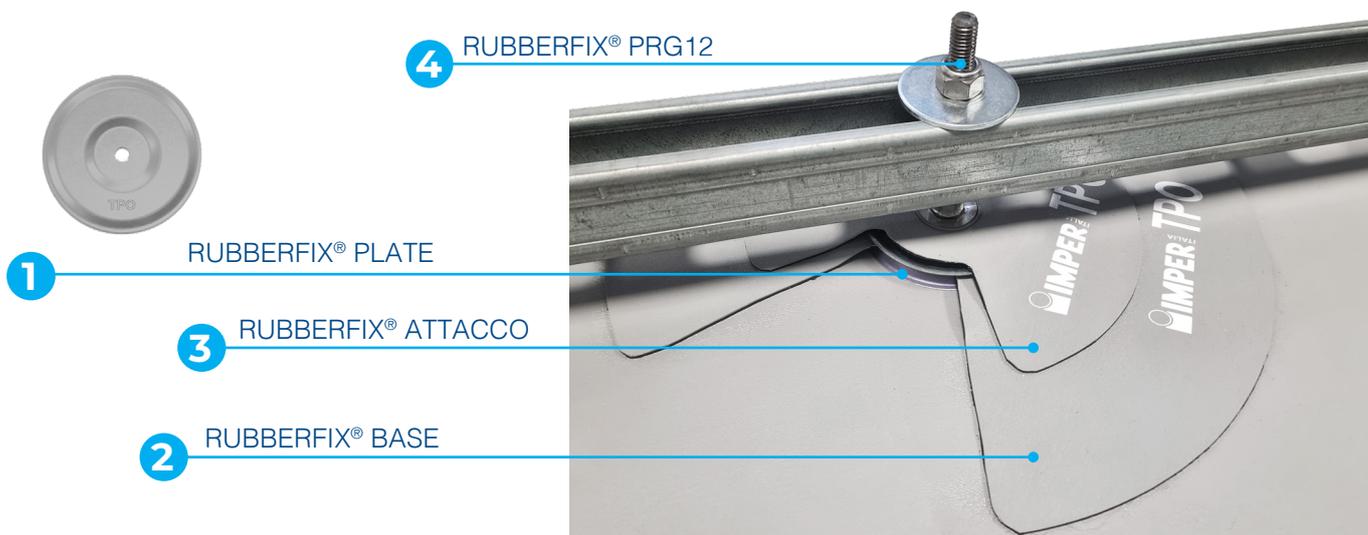
RUBBERFIX® SYSTEM

- 1 RUBBERFIX® PLATE** Ø 80 mm washer with a specific surface treatment for welding application using a specific electromagnetic induction equipment. The washer and the corresponding fixing (suitable for the support to which will be hooked) will be positioned according to the layout of the framework of the photovoltaic panels.

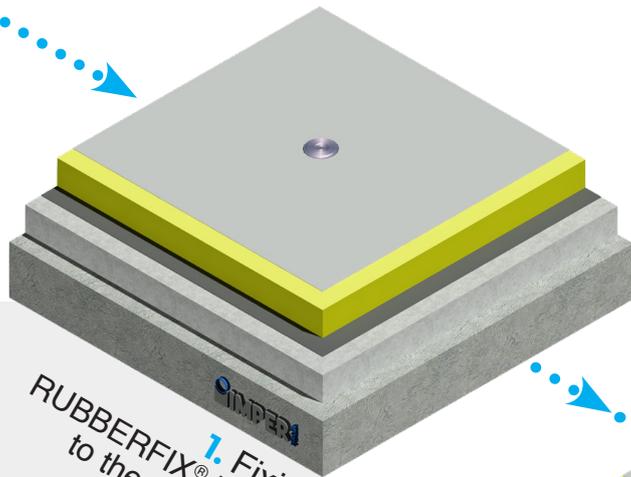
- 2 RUBBERFIX® BASE** Ø 30 cm disc made of synthetic membrane (TPO SINTOFOIL or PVC-P SINTOPLAN) to be applied using manual hot air welding machine, on the waterproof layer in correspondence at the induction fixing.

- 3 RUBBERFIX® ATTACCO** Ø 20 cm disc made of synthetic membrane (TPO SINTOFOIL or PVC-P SINTOPLAN) equipped with Ø 10 mm threaded insert in the upper part and induction washer in the lower part.

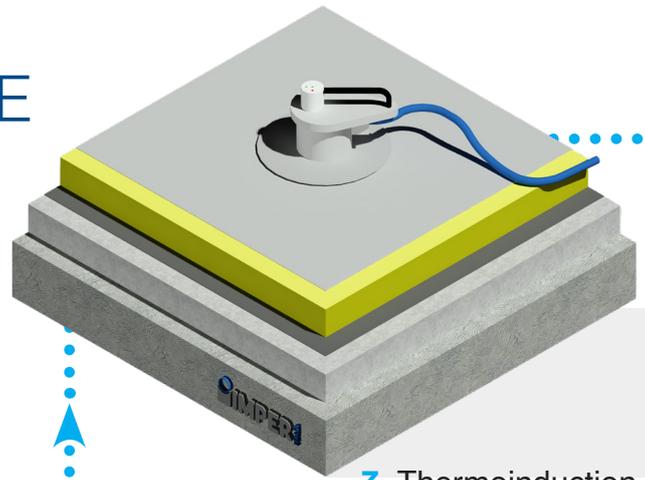
- 4 RUBBERFIX® PRG 12** Ø 10 mm stud, 120 mm length, complete with stop nut, double washer and self-locking nut (all in stainless steel).



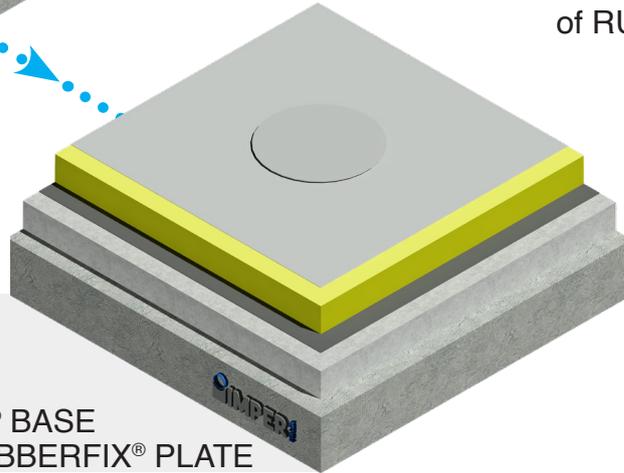
RUBBERFIX® System APPLICATION PROCEDURE



1. Fixing RUBBERFIX® PLATE to the membrane

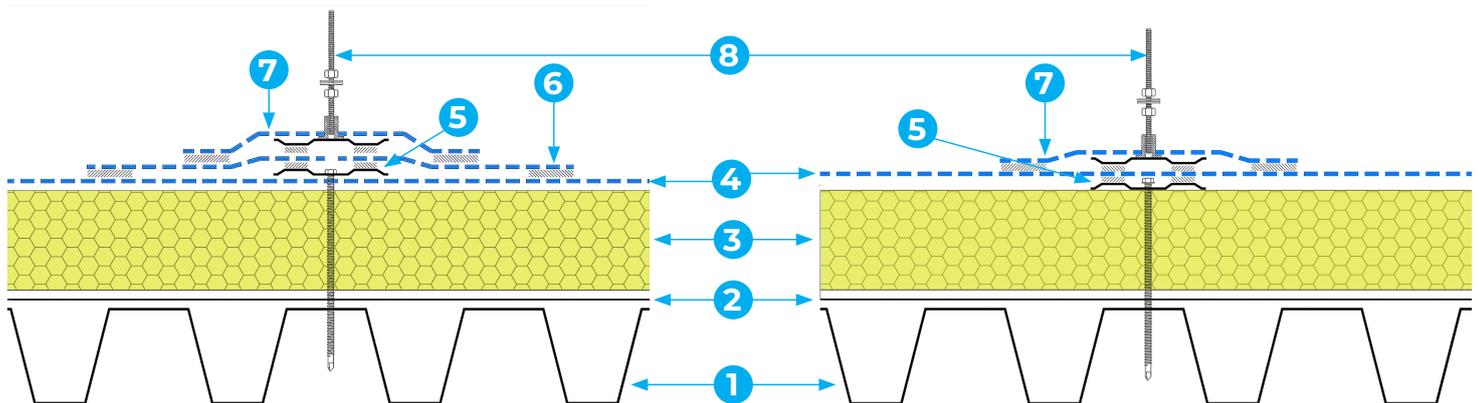


2. Positioning di RUBBERFIX® BASE centered on RUBBERFIX® PLATE



3. Thermoinduction welding of RUBBERFIX® BASE

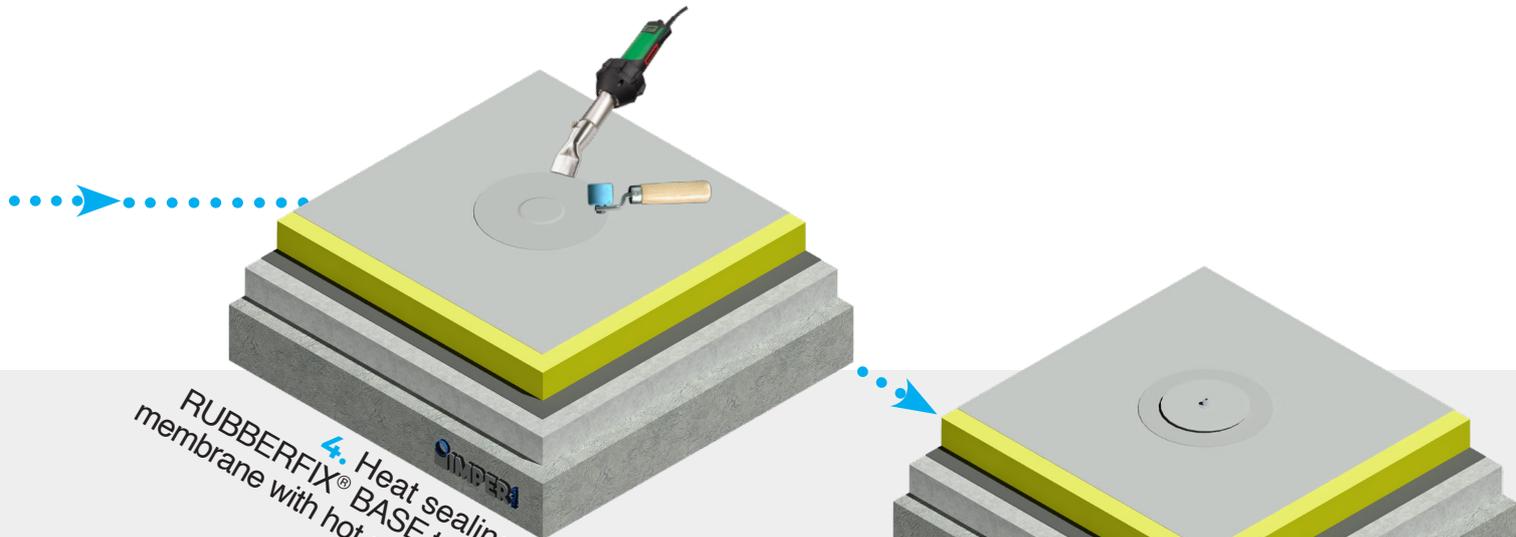
RUBBERFIX® System ASSEMBLY DIAGRAM



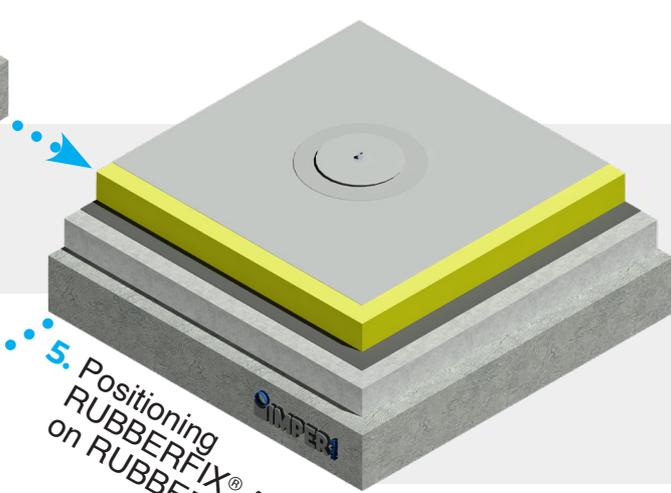
RUBBERFIX® System applied **after** the installation of the waterproof layer

RUBBERFIX® System applied **at the same time** as the installation of the waterproof layer

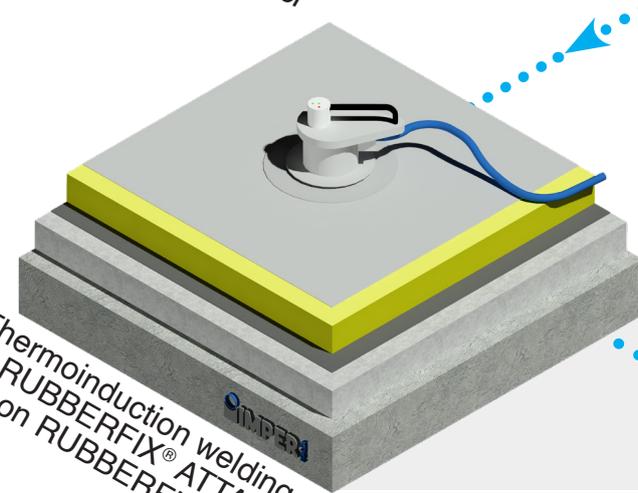
- | | | |
|-------------------------------|--|-----------------------|
| 1. Basic structural support | 4. Sealing element in TPO or PVC-P synthetic membrane | 6. RUBBERFIX® BASE |
| 2. Vapor barrier | 5. Fixing with suitable washer for RUBBERFIX® PLATE induction system | 7. RUBBERFIX® ATTACCO |
| 3. Thermal insulating element | | 8. RUBBERFIX® PRG12 |



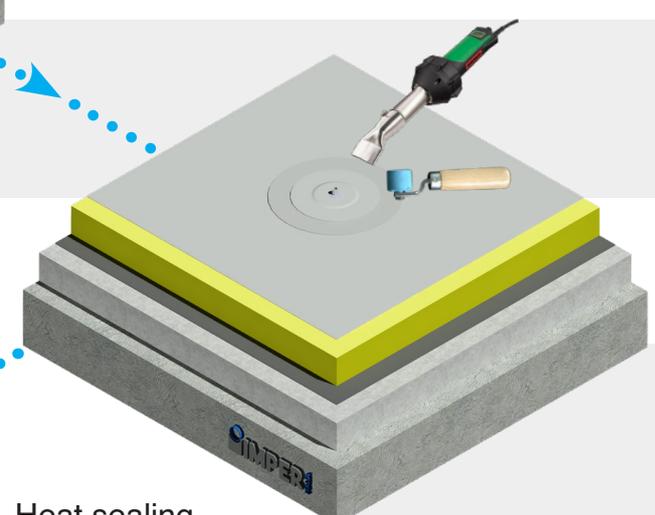
4. Heat sealing RUBBERFIX® BASE to the membrane with hot air welder



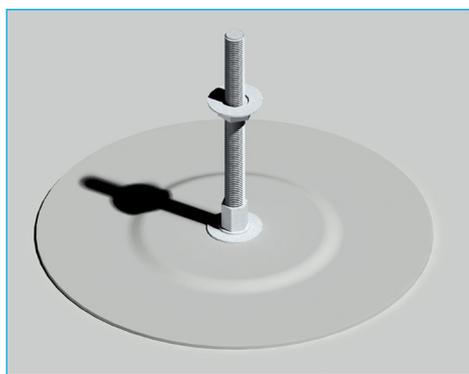
5. Positioning RUBBERFIX® ATTACCO on RUBBERFIX® BASE



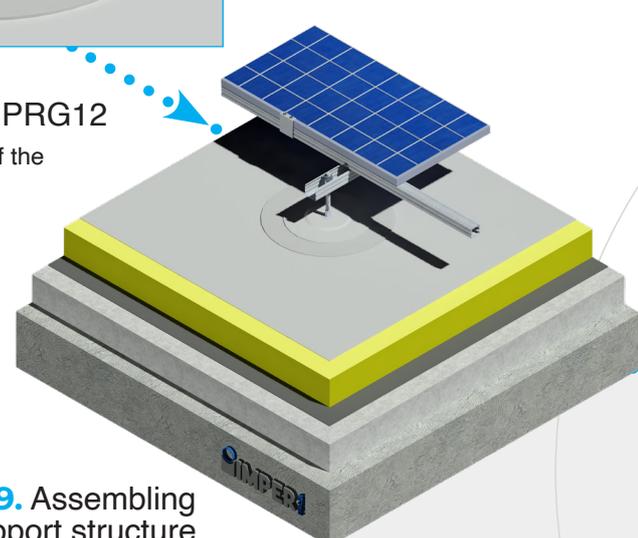
6. Thermoinduction welding of RUBBERFIX® ATTACCO on RUBBERFIX® BASE



7. Heat sealing RUBBERFIX® ATTACCO flange on RUBBERFIX® BASE with hot air welder



8. Inserting RUBBERFIX® PRG12
Final appearance of the execution



9. Assembling support structure





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