



*Rely on it.*

# Light and free.

RENOLIT ALKORSOLAR





# A lightweight solution...

## CHALLENGE

A **lightweight solution** was required for the mounting of the PV installation on a production hall from **Opel in Rüsselheim**. For some years there existed no smart solutions for PV installations on roofs. Today we start to see the downside of PV roof installations that are not coping well with the weather conditions on top of roof constructions. Common mistakes made on PV roofs:

- PV panels flying off the roof due to high winds where the attachments have not been strong enough and not fully tested.
- Water leaks due to structural damage from the PV installation itself. Mainly due to the minute movement of the metallic/aluminium PV-mounting on the roofing membrane.
- Water leaks due to perforations through the roofing membrane when fixing the PV installation to the roof.

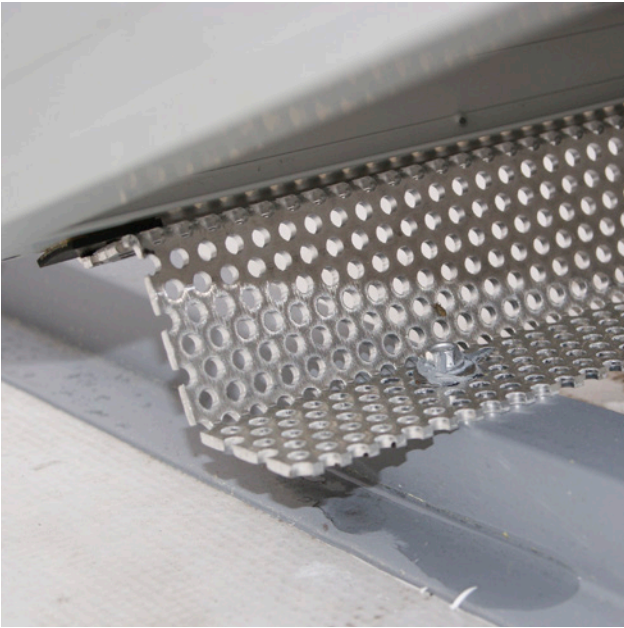
- Roofs collapsing due to an excess of ballast of the ballasted PV installations.
- Accelerated ageing of roofing membranes due to the use of incompatible materials on the roofing surface.

## SOLUTION

**RENOLIT ALKORSOLAR** PV fixing system. This lightweight PV fixing system does not require extra ballast nor perforates the roofing membrane. The main parts of the system are PVC or EVA profiles that are heat welded onto the synthetic roofing membranes. This system is the only system that is fully tested for wind loads up to 200 km/h, has an Avis technique (France) and a DIBT approval (Germany).







#### PRODUCTION HALL

- Opel Rüsselheim
- Rüsselheim, Germany

#### PRODUCTS

- RENOLIT ALKORSOLAR

