



SIKA AT WORK

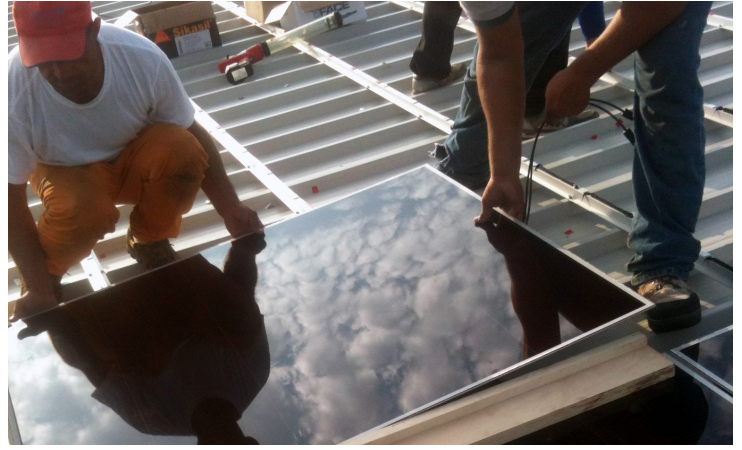
RUTIGLIANO LOGISTICS CENTER, ITALY

ITALY'S LARGEST MICROMORPH PV ROOF INSTALLATION WITH Sikasil® SG-20

BUILDING TRUST



RUTIGLIANO LOGISTICS CENTER, ITALY



PROJECT DESCRIPTION

A total of 25,674 micromorph PV modules have been mounted on several roof areas at a newly built logistics center south of the Italian city of Bari. Given that the standard mechanical clip fasteners are liable to induce high stresses in the glass, the contractor and module manufacturer looked around for an alternative fixing method and finally opted for an elastic yet structural bonding solution. Sikasil® SG-20 structural adhesive was used to bond the modules on site to anodized aluminium sections integrated in the roof assembly. During installation, pads of Sika® Tape FA-22 were placed at regular intervals to ensure that the necessary joint thickness was achieved and to protect against loads during the adhesive's curing. Thanks to comprehensive prior testing, meticulous preparation and close teamwork throughout the project, the "new" method of mounting the photovoltaic modules was successfully implemented. The total construction time of the PV system from the mounting of the sub-structure over the bonding of the modules up to connecting to the grid took only 45 days.

SIKA SOLUTION

Sikasil® SG-20
Sika® Tape FA-22

PROJECT PARTICIPANTS

Project name:	Rutigliano Logistics Center
Location:	Province of Bari, Italy
Design and implementation:	Kad3/Horus srl
Operating company:	Duferco Solar Puglia srl
Module supplier:	Pramac Swiss SA
Power output:	3.115 MWp
Start of Operation:	December 2011

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www.sika.com/solar-references

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