



Advice for installation of Van der Valk Solar Systems **ValkPro+** on flat roofs with **ROCKWOOL®** roof insulation

Approval

The Van der Valk Solar Systems ValkPro+ mounting system for flat roofs, in combination with ROCKWOOL flat roof insulation, has been thoroughly tested. Based on the results the system is approved for all ROCKWOOL flat roof products: Caproxx Energy, Tauroxx, Rhinoux, Rhinoux D and Rhinoux Afschot (cut-to-fall).

Test results

External long-term creep tests in accordance with EN1606, executed by an independent testing and certification company, have demonstrated that with a maximum load of 33 kPa per ValkPro+ tile carrier, during a 10 year period, the maximum deformation is 2,0 to 2,8 mm. The tests have been carried out both on fully supported constructions (for example: concrete or wooden roofs) and on partially supported constructions (+/- 50% for profiled steel deck roofs).

For specific situations in which the calculated load per ValkPro+ tile carrier is higher than the maximum of 33 kPa (for example: in case of very high wind loads), the load per rubber tile carrier can be reduced by applying additional load distributors (art. 729630 / 729631).

Installation

The most critical situation that can lead to potential damage to the hard top layer of the ROCKWOOL flat roof boards and to roofing membranes, is the frequent accessibility on the roof by craftsmen during installation. It is therefore highly recommended to protect the roof during the installation with rubber mats or wooden plates.

Maintenance

A roof with solar panels is subjected to frequently pedestrian traffic, both during installation of the panels and for maintenance / inspection. In Benelux, insulation for such frequently accessed roofs must apply to the UEAtc-C classification, accordingly European guidelines. All flat roof products of ROCKWOOL B.V. meet this classification. Areas on roofs which are intensively used by pedestrian traffic need to be provided with walkways in order to avoid as much as possible degradation of the insulation and roofing membranes.

This advice has been drawn up after joint consultation between Van der Valk Solar Systems and ROCKWOOL. For any additional information or recommendations, please contact one of both companies.

Van der Valk Solar Systems
Zwartendijk 73
2681 LP Monster, The Netherlands
T +31 (0)174 21 22 23
E info@valksolarsystems.com
www.valksolarsystems.com

ROCKWOOL B.V.
Postbus 1160, 6040 KD Roermond, The Netherlands
Industrieweg 15, 6045 JG Roermond, The Netherlands
T +31 (0)475 35 35 35
E info@rockwool.nl
www.rockwool.nl

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