

The EUR-ACTIVE ROOFer project

EUROpean performance requirements and guidance for ACTIVE ROOFers

A wide variety of new products, such as photovoltaic (PV) systems and solar collectors, roof lights, ventilation devices, insulation and safety devices, is finding its way into the roofing industry. The Pan-European EUR-ACTIVE ROOFer project aims to develop tools for European roofers to improve roof quality and reduce failure costs.



In many cases, the quality of new roofing products is inadequate because there are no standards to assess their performance. Another problem is that perfectly good products are installed incorrectly by inexperienced people. This leads to significant numbers of (preventable) failures due to rain and melt water ingress, wind damage and condensation. As a result, failure costs in the EU total approximately 2 billion euro per year. The secondary damage to building interiors is at least of the same order of magnitude. The vast majority

of this damage is preventable if adequate pre-standards and guidance for testing and installation exist. European roofers and installers may be confronted with an increasing amount of claims if these problems are not addressed.

Strategic objectives addressed

The EUR-ACTIVE ROOFer project will develop and supply tools for European roofers to improve roof quality and reduce failure costs. This will enable the roofer to upgrade from delivering roof tiles to delivering total

(active) roof systems. The project will add significant value to the building and increase the overall quality of roofs, enhancing the turnover and profits in the roofing industry. The tools developed in the course of this project will enable roofers and installers to develop better products with proven quality, enhancing the competitiveness of these companies.

Deliverables

In order to achieve the desired situation, the principal deliverables of EUR-ACTIVE ROOFer will be:



1. Relevant knowledge to develop performance criteria and assessment methods for wind uplift, seismic effects, driving rain, snow drift and condensation risks, enabling development of new roof products.
2. Guidance for maintenance and safety devices.

3. Guidelines and best practice catalogues for installing roof accessories.
 4. Training programmes for European roofers.
- This will help the roofing trade to improve its products and reduce barriers to trade, restore consumer confidence and improve competitiveness.



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The partners involved in the project

Roofing and PV associations:

IFD (International Federation for the Roofing Trade) (EU), EMSZ (HU), HHD (NL), NFRC (GB), TPF (NO), RCCA (IE), PSD (PL), ZVDH (DE), PV-UK (GB) and SVDW (CH).

Roofers and PV installers:

Alukol (HU), Biohaus (DE), ECOvent (DK), EETS (GB), H&E Costellos Roofing (IE), Puskas Muvek (HU), Schneider (HU), Schröder Bedachungstechnik (DE), Solarwall (IT), Kuipers Consulting (ES), Stroomwerk (NL) and Tectum (HU).

Research organisations:

TNO (NL), BRE (UK), EMI (HU), Cenergia (DK), BTI (AT), NBI (NO) and CRES (Gr).

Universities:

TU Berlin (DE), TU/e (NL) and TU Warsaw (PL).