

Determination of Root Resistance

Testing of roofing membranes and coatings
in accordance with FLL specifications and EN 13948

Green roofs are not only green oases in the city, but also serve a variety of other functions and have diverse effects on their surroundings. They can create additional green spaces and open areas in limited spaces, provide areas for species-rich habitats, and reduce the physical, chemical, and biological stress on a roof.

Durable products make all the difference

Root resistance is one of the key properties of **membranes and coatings used in green roofs**. It ensures that waterproofing systems function reliably over the long term and prevents damage caused by root penetration. Therefore, suitable materials must be selected and installed properly.

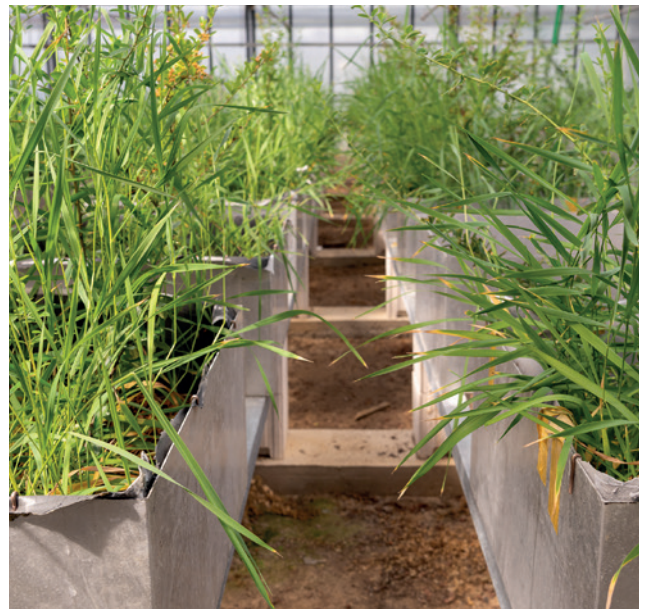
Verification is carried out through tests in accordance with the FLL guideline or EN 13948. These provide manufacturers with an objective basis for evaluating product suitability. While EN 13948 specifies only firethorn as a test plant, the FLL test additionally includes couch grass. This results in a more intense and realistic stress test.

Passing an FLL test is considered extended proof of root resistance, offers greater certainty in product selection, and incorporates the requirements of EN 13948.

As one of the **leading testing institutes for plastic products** in the construction sector—particularly for geosynthetics and waterproofing membranes—the SKZ also tests, certifies, and inspects products used in green roof applications. The SKZ operates its own greenhouse and has built up comprehensive expertise through many years of experience. It prepares standardized test reports in accordance with FLL specifications and EN 13948.

Your Benefits at SKZ

- ✓ Large greenhouse with a professional master gardener (digitally controlled temperature and sunlight)
- ✓ Heated workshop for welding work
- ✓ On-site supervision throughout the installation process
- ✓ Semiannual inspection for root penetration by professional staff with many years of experience
- ✓ Quick start-up possible due to high capacity



Curious?

We'd be happy to provide you with a quote.

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SKZ.DE/**rootstrength**

