



Determination of the resistance to dynamical wind load of roof constructions and façade constructions.

Purpose:

- **Roof constructions with closed roof waterproofing systems;**
- **Façade Constructions.**

Standards

- EN 16002 - Flexible sheets for waterproofing - Determination of the resistance to wind load of mechanically fastened flexible sheets for roof waterproofing
- ETAG 006 – Systems of Mechanically Fastened Flexible Roof Waterproofing Membranes
- NEN 6707 - Fixing of roof coverings - Requirements and determination methods
- BDA – dynamical windload testing of façade

Principle

On a test specimen with specified dimensions (3 m x 3 m or 3 m x 5 m) a pulsating underpressure is applied. By increasing the pressure in a specified manner, the test specimen will eventually fail. The load cycle of failure determines the resistance to dynamical wind load and with that the applicability of the build-up in different wind areas.

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