

Protection against cold

Objective

Various test methods are used to check the protective effect of the textile or clothing on cool or cold environments. Protective clothing aims to protect the wearer against temperatures over -5°C (cool environment) or temperatures under -5°C (cold environment), considering a combination of humidity and wind.

The test is particularly well-suited for

- woven fabrics, coated fabrics, laminates, material combinations for protection clothing
- functional, everyday and protective clothing, work wear

Advantages for you as customer

- Consumer safety
- Proof of functionality
- Ensuring that the requirements of the Regulation (EU) 2016/425 are fulfilled



Description

The test of the protective clothing is carried out according to the standard DIN EN 14058 (cool environment) or DIN EN 342 (cold)

- Textiles will be tested according to the requirements of DIN EN 14058 or DIN EN 342 and their related test standards.
- Clothing will be classified according to the test results.
- Assessment of results achieved in terms of the requirements for the textile or clothing
- Combination with other standards is possible, e.g. DIN EN ISO 20471

Reports and certificates

After the tests are completed, a report is written with a detailed description of the test samples and the tests.

After passing the tests on test samples, an attestation can be issued and used for marketing purposes.

After fulfilling the requirement for clothing, an EU Type- Examination Certificate may be issued.

Requirements for test samples

General information:

- Tests are carried out partly in new condition and after a use simulation (pre-treatment). In consultation with the customer, the number and the method of pre-treatments will be defined.

Amount of material:

- At least 2 current meters of test sample, accessories
- At least three clothing systems in German men's size 52.

Duration of testing:

- 20 working days for material test after receipt of test sample

Certification:

- Appr. 8-10 weeks