

# Flame protection

## Objective

Using different testing procedures, the protective effect of the textile, the seams as well as the clothing against heat and flame is under investigation. Protective clothing for firefighters is to the institution and related activities such as rescue operations in disaster assistance and protection in cases.



## The test is particularly well-suited for

- woven fabrics, knitted fabrics, material combinations for protective clothing
- protective jackets, protective pants, head coverings, textile protection systems

## Description

The test of the protective clothing is carried out according to the standards DIN EN 469 or DIN EN 13911.

- Textiles will be tested according to the requirements of DIN EN 469 or DIN EN 13911 and their related test standards.
- Clothing will be checked for their construction
- Clothing will be classified according to the test results
- Evaluation of the results achieved with regard to the requirements of the fabric or clothing

## Advantages for you as customer

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

## 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 2-3 current meters of test sample, accessories
- At least two clothing system

### **Duration of testing:**

- 15-20 working days for material test after receipt of test sample

### **Certification:**

- Appr. 6-8 weeks