

# EN533

## Protective clothing - Protection against heat and flame - Limited flame spread materials and material assemblies

Reference number: *EN 533*

**Status:** European Standard - material specification

**Scope:** This standard specifies the requirements for the limited flame spread properties of materials and material assemblies

### Classification system

Tested according to EN 532	
Index 1	Materials do not spread flame but may form a hole on contact with a flame
Index 2	Materials and material assemblies do not spread flame and do not form a hole on contact with a flame
Index 3	Materials and material assemblies do not spread flame and do not form a hole on contact with a flame. They also give only limited after flame.

### Durability

- Not to be applied to aluminised materials
- Standard wash procedure is 12 wash cycles at 75°C
- If the washing treatment is modified at least five wash cycles using a washing temperature conform to the manufacturer's maintenance instructions is applied. The durability index is the number of wash cycles x wash temperature in °C.

## **Performance Specification**

Materials: a limited flame spread of at least 1,2 or 3. Materials with index 1 shall only be used as part of a material assembly with index 2 or 3.

Material assemblies: a limited flame spread of 2 or 3 with the flame applied to the outer face.

## **Manufacturer's Information**

- Manufacturer's name, trade mark or identifying mark
- A statement material complies with EN 533 indices 0/0 (limited flame index and durability index) as appropriate.
- Instructions for care and cleansing
- If index 1, a statement: " Use only over EN 533 index 2 or 3 material and do not use next to the skin".