

EKU Anti-sparks Treatment:

Fumes generated by several industrial processes may contain swarms of incandescent particles at high temperature. Whenever those particles reach the bag filter, they could burn the needle felt and create small holes, compromising the bag integrity. This situation generates severe dust emissions through the chimney and often brings to a shut-down of the production line.

Besides the appropriate spark blocking system already in place (spark barriers or cyclones), the bags need an **additional protection: EKU**.

EKU treatment gives an active protection to the filter media by **preventing the heat transfer** from the spark to the fibre. In the event of sparks impact, it **develops non-toxic gases** which create a barrier to the heat transfer preventing the fibres from melting or oxidation.

In addition, for polyester felts heavier than 550 g/m^2 , EKU treatment provides a satisfactory resistance to fire, by preventing the flame transfer.



Main Characteristics:

- Operating temperatures up to 180°C
- Tested according to ISO 9150 1998 + UNI EN ISO 11611: 2008
- Introduces an **active protection** versus existing passive solutions such as pre-ox fibres layers
- Expressly designed to be applied on **polyester** filter bags
- Bag filters with EKU can withstand short accidental operating conditions without being damaged
- Tested according to FAR 25.853 (flamability test) for felts heavier than 550 g/m^2

End Uses: Secondary steel mills - Metallurgical production - Metal finishing – Industrial ash aspiration