

Hot topic: Seals for fire protection in accordance with UL94 V-0

The topic of seals for fire protection has gained enormous importance in recent years. The demand for appropriate additives for the production of sealing profiles is a challenge in view of the applicable Reach and RoHs regulations, among others.

Depending on the requirements, GfA offers the following for the manufacture of corresponding sealing profiles:

▲ **Halogenated additives**

▲ **Halogen-free additives**

We produce almost every sealing profile in accordance with the American classification **UL94 V-0**. This standard and process description for assessing and classifying the flammability of plastics has been incorporated into **DIN EN 60695-11-10 and -20** with the same content. The raw material also fulfils the **EN 45545-2** standard for railway applications (fire protection in rail vehicles).

GfA therefore produces sealing profiles for use in fire protection elements, which can also be used for smoke protection doors and as stop profiles in higher-quality fire protection solutions in accordance with DIN 18095, for example.

This does not affect the installation of additional corresponding fire protection materials to fulfil the respective fire protection requirements, in accordance with the respective certification of the building element.

Requirements and testing

In order to fulfil the above-mentioned standards, the sealing profiles are subjected to appropriate testing. The profiles are subjected to controlled flame treatment over a certain period of time. During this time, they may only burn off a certain vertical distance. At the end of the flame treatment, they must self-extinguish and the burnt part must not fall off.



Important: A seal alone does not achieve a fire protection class. It is regarded as part of a complete construction element, which must fulfil the relevant standards in its entirety.

Technical questions about seals for fire protection? The experts at GfA will be happy to advise you!

