

Fire Protection



Principle

Beside the standard version denominated as sound absorption and smoke-shielding our drop-down seals are also available in the version fire protection. Planet examines all drop-down seals for the property as fire protection elements. The corresponding prescriptions and standards of the individual countries are the base for it. The most important test and standard is DIN 4102 volume 18 for Germany and the UE.

Our seals, without any exception, are able to tighten the maximum allowed air gap of 15 mm to the floor on fire protection doors.

Test procedure

Together with the Materialprüfungsamt Nordrhein-Westfalen, MPA NRW, in Dortmund Germany, we examine our products according to DIN 4102 volume 18 for the property in fire protection elements. Two fields are there-by checked. The first subject is the check for lifetime. This check covers 200 000 closing- and open-cycles without any troubles. During the development our seals carry out several millions of successful movements. The second subject is the selection of the materials of the drop-down seals. Non-inflammable materials are prescribed and especially regarding the sealing lip the quality: self-extinguishing.

Approval, ABP

In view of the successful tests with the Materialprüfungsamt Nordrhein-Westfalen, MPA NRW, in Dortmund Germany, we achieved the General Building Supervision Test Approval ABP 12 000 036.20 from the MPA NRW. You can request it at our office. All drop-down seals of the version fire-retardant and smoke-shielding are included in this approval.

Prove of agreement Sign Ü

The prove of agreement, formerly the sign Ü, is present on all our products which are marked accordingly. An external production supervision makes sure that we continue with our very high production quality. Our production resp. our products are permanently supervised by the 1:1 lifetime test.

T30 until T90

Products corresponding to DIN 4102 volume 18 can be used for all fire protection elements from T15 up to T90. But every manufacturer is obliged to test himself his element to get the corresponding approval.

Classification of fire resistance

The European classifications concerning the fire resistance of components can be assigned to the VKF-Classifications as follows:

Component	EN	VKF
supporting, space-enclosing	REI	F
non-supporting space-enclosing	EI	F, S, K
space-enclosing mouvable	EI	T
smoke-shielding and flame-proof	E	R

For instance: a fire protection door T30 corresponds recently to E130

Test Partner

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