

Smokeproof → State: first of May 2010



Principle	All of our seals in the execution sound- and smoke protection and sound-, smoke- and fire protection are convenient for the smoke protection. The guidelines and standards of the individual countries are the base for it. The most important test and standard is the DIN 18095 for Germany and the EU as well.
Test method	In cooperation with the Materialprüfungsamt Nordrhein-Westfalen, MPA NRW we test our products according to DIN 18095 18 for the suitability in smoke protection. Two fields are checked with it. The first is the lifetime test. This one requires 200 000 closing and opening cycles without troubles. During the new developments our seals perform several millions of movements. The second topic is the test 1:1 on the door test stand. The same temperature range of max. 200° C is applied and the same excess pressures and vacuums are tested as with complete smoke protection elements. The values we achieve are clearly situated below the maximum admissible leak rate of 20 m ³ for single-wing resp. 30 m ³ double-wing folding doors. You can ask for the relevant test approvals at our company
Homologation, ABP	Due to the successful tests at the MPA NRW according to DIN 18095 18 we get from the MPA NRW the 'Allgemeine Bauaufsichtliche Prüfzeugnis' ABP 12 000 036.20 (building supervision certificate). You can ask for at our company. All of our drop-down seals in the version smoke protection and fire-retardant and smoke protection are included in it.
Proof of agreement sign Ü, sign CE	The proof of agreement, the former sign Ü, is existing on all our products. These products are marked accordingly. Our own very high product quality remains constant by external product checks of the MPA Dortmund. Our internal production resp. products are continuously supervised by 1:1 lifetime tests. At present the marking CE is impossible because the corresponding standards for floor seals are not existing.
Smoke	Door designation <ul style="list-style-type: none">- according to DIN 18095 → RS 1 (single-wing)- According to DIN 18095 → RS 2 (double-wing)- According to EN 1634-3 → C5_{S200} (designation according to the test standard → not according to the classification standard) C5 continuous function test class 5 with 200 000 movements Smoke leak test S ₂₀₀ at 200°C
Test partner	MPA NRW , Materialprüfungsamt Nordrhein-Westfalen, DE-44287 Dortmund, Germany

