Alumatic Safe 90 - Fire protection inspection hatch

(40, 43, 50 mm planking thickness) with 90 minutes fire resistance for installation in self-supporting suspended and unsupported fire protection false ceilings

ⓘ Tested fire protection product

Fire-tested from below (room side) suspended false ceiling and unsupported false ceiling to DIN EN 1364-2

Fire tested from above (from the intermediate ceiling area) suspended and unsupported suspended ceiling according to DIN EN 1364-2

General technical approval
Z-6.55-2557 for Germany

Product Advantages

- Large product range with different planking thicknesses
- Concealed square lock with key according to regulations and to guarantee security

Product Description

The RUG-SEMIN access panel "Alumatic Safe 90" is specially designed for installation in self-standing fire protection suspended ceilings with a fire resistance class EI90 / F90. It allows access into the false ceiling and provides safe protection against the transfer of fire and smoke from the room into the false ceiling area and vice versa. The product has been tested for both suspended and self-supporting false ceilings and is approved with a General Building Inspectorate Approval.

Three different planking thicknesses allow installation in almost all constructions in drywall construction. The inspection flap consists of the installation frame and the removable cover. The aluminum installation frame is inserted into the suspended ceiling for installation. The access panel lid is filled with inserts of DF/GKF fire protection panels and protected against the passage of smoke by a four-sided circumferential seal.

The cover is secured on both sides by self-adjusting safety catch arms. The safety-catch arms guarantee interception of the flap lid every time it is opened. The lid can be completely removed and reinserted if necessary.
The lid can be locked by means of a square lock with cover cap in accordance with the requirements of the MLAR and the applicable standards.

Installation and Fixing

Please always observe the enclosed installation instructions, the information in the approval and, if applicable, the ceiling constructions! The installation frame is inserted into the construction opening (manufactured approx. 5-10mm larger than the installation dimensions of the inspection flap) and placed against the planking from behind.
Screwing is done from below through the plasterboard ceiling into the installation frame using drywall screws provided by the customer. Protective caps are placed on the back of the screw tips. Place fire protection set on profile replacement in the surrounding area. The cover can be hooked into the installation frame from below and the flap closed.

Filling and Painting Work

Fill the joint between the suspended ceiling and the installation frame. Fill and coat the cover separately and hang it in the installation frame in the suspended ceiling after it has dried. Remove all filler and paint residues completely from the metallic surfaces and the seal. Then carry out a functional test (opening and closing the lid several times).

Cleaning and Maintenance

The components of the inspection flap are to be cleaned with conventional gentle cleaning agents or dry.
The flap must always be closed properly and locked with the key. If necessary, check the closures for function if necessary. The inspection flap is maintenance-free.

Scope of Delivery

- Access panel for fire protection
- Cover cap, white, with square mandrel key
- Fire protection set (mineral fiber or DF/GKF)
- Assembly set protective caps for screws
- Assembly instruction

Hersteller: **RUG SEMIN GmbH** · Pittlerstraße 21 · 63225 Langen (D) · Tel.: +49 6103/3001-0 · service@rug-semin.de · **revisionsklappen.com**

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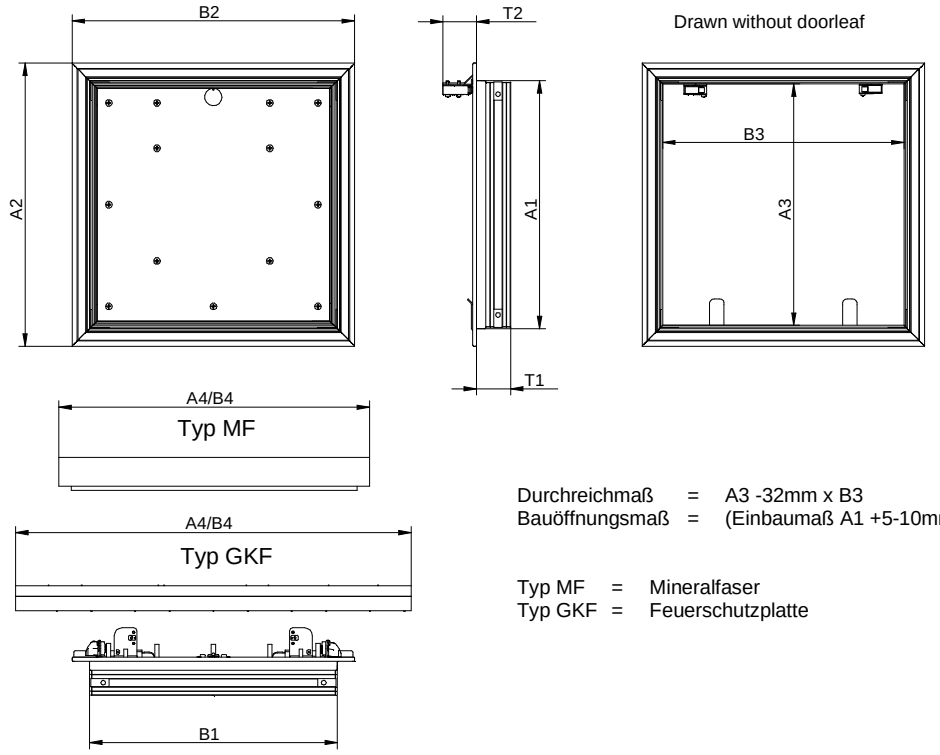
Scope of Supply



Durchreichmaß = A3 -32mm x B3
Bauöffnungsmaß = (Einbaumaß A1 +5-10mm) x (B1 +5-10mm)

Typ MF = Mineralfaser
Typ GKF = Feuerschutzplatte

Fire Rating EI 90 (a↔b) ceiling from below and above EN1364-2
2 x 20,0 mm gypsum plasterboard inlay CE certified according to DIN EN 520: DF

Article No.	Nominal size A x B (V)	installation size A1 x B1	External size A2 x B2	clear size A3 x B3	Fire Protection Overlay A4 x B4	Type	Depht T1	T2	T3	Weight kg
26-201	300 x 300	301 x 301	343 x 343	292 x 292	480 x 480	GKF	41,5	41	30,5	10,2
26-202	400 x 400	401 x 401	443 x 443	392 x 392	580 x 580	GKF	41,5	41	30,5	15,6
26-207	400 x 600	401 x 601	443 x 643	393 x 593	477 x 677	MF	41,5	41	35	14,1
26-203	500 x 500	501 x 501	543 x 543	492 x 492	577 x 577	MF	41,5	41	35	14,9
26-204	600 x 600	601 x 601	643 x 643	592 x 592	677 x 677	MF	41,5	41	35	20,9
26-206	430 x 650	431 x 651	473 x 693	423 x 643	610 x 830	GKF	41,5	41	30,5	24,5
26-205	600 x 800	601 x 801	643 x 843	592 x 792	677 x 877	MF	41,5	41	35	26,8

Fire Rating EI 90 (a↔b) ceiling from below and above EN1364-2
18mm + 25mm = 43mm gypsum plasterboard inlay CE certified according to DIN EN 520: DF

Article No.	Nominal size A x B (V)	installation size A1 x B1	External size A2 x B2	clear size A3 x B3	Fire Protection Overlay A4 x B4	Type	T1	T2	Weight kg
26-221	300 x 300	301 x 301	343 x 343	293 x 293	480 x 480	GKF	44,5	41	10,1
26-222	400 x 400	401 x 401	443 x 443	393 x 393	580 x 580	GKF	44,5	41	16,0
26-223	500 x 500	501 x 501	543 x 543	493 x 493	577 x 577	MF	44,5	41	15,4
26-224	600 x 600	601 x 601	643 x 643	593 x 593	677 x 677	MF	44,5	41	21,0
26-225	600 x 800	601 x 801	643 x 843	593 x 793	677 x 877	MF	44,5	41	28,5

Fire Rating EI 90 (a↔b) ceiling from below and above EN1364-2
2 x 25mm = 50mm gypsum plasterboard inlay CE certified according to DIN EN 520: DF

Article No.	Nominal size A x B (V)	installation size A1 x B1	External size A2 x B2	clear size A3 x B3	Fire Protection Overlay A4 x B4	Type	T1	T2	Weight kg
26-241	300 x 300	301 x 301	343 x 343	293 x 293	480 x 480	GKF	51,5	41	10,9
26-242	400 x 400	401 x 401	443 x 443	393 x 393	580 x 580	GKF	51,5	41	17,5
26-243	500 x 500	501 x 501	543 x 543	493 x 493	577 x 577	MF	51,5	41	16,1
26-244	600 x 600	601 x 601	643 x 643	593 x 593	677 x 677	MF	51,5	41	23,2
26-245	600 x 800	601 x 801	643 x 843	593 x 793	677 x 877	MF	51,5	41	29,8

All dimensions in mm, (V) = locking side

Special Models

- Intermediate sizes in 50mm increments available on request

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