



EI90-VKF Hook-On-Swing-Down-Slide

LMD Fire Rated Metal Ceiling application acc. to VKF

The ceiling elements of this fire rated ceiling are hooked onto carrier rails on both sides of the corridor. They can be swung down and slid along the corridor without the need for any tools. No additional ceiling void is required for maintenance works. This fire rated ceiling enables a good compensation of tolerances on the wall.

- VKF fire protection application No. 31440
- freely spanned construction
- good compensation of tolerances on the wall is possible due to an adjustable wall connection
- maintenance option due to ceiling elements that can be individually operated, swung down and slid without tools
- swung down ceiling elements can be moved together to receive a large inspection opening (approx. 2,500 x 600 mm)
- no additional ceiling void is necessary for maintenance works
- hygienic and easy to clean





Ceiling elements

| LMD EI90 Type 8.1 VKF | | |
|-----------------------|----------------|--|
| Length (L) | 500 - 2,500 mm | |
| Width (B) | 200 - 397 mm | |
| Height (H) | 86 mm | |
| Adjustment range (V) | 10 - 23 mm | |

Technical data

| | |
|-------------------------|------------------------------------------------------------------------------------------------|
| Material | galvanised sheet steel |
| Weight | 45 - 58 kg/m ² |
| Serviceability | swing-down and slide option or removable without tools |
| Wall connection options | plasterboard frieze, plasterboard partitions, bracket fastening, massive walls, concrete walls |

Component list

| | | |
|------|-------------------------------------------|--|
| 1 | metal ceiling element | |
| 16b | U-washer | |
| 278b | truss head screw with square neck and nut | |
| 816f | GKF/DF moulded part | |
| 819 | joint filler | |
| 856b | foaming gasket strip | |
| 1004 | Z-hook-on profile | |
| 1010 | U-wall profile | |



Acoustics

Room acoustics

| | | | |
|------------------------------------|------------------|------------|-------------|
| Rated sound absorption coefficient | DIN EN ISO 11654 | α_w | 0.15 - 0.85 |
| Sound absorber class | DIN EN ISO 11654 | | E - B |
| Noise Reduction Coefficient | ASTM C 423 | NRC | 0.15 - 0.85 |

Fire protection

Building material class

| | | |
|-------------------------|----------------|-------------|
| Building material class | DIN EN 13501-1 | A2 - s1, d0 |
|-------------------------|----------------|-------------|

Fire resistance

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|-----------------|----------------|------------------------------|
| Fire resistance | DIN EN 13501-2 | EI 60 (a → b), EI 60 (a ← b) |
|-----------------|----------------|------------------------------|

Durability

| | | |
|----------------|--------------|---|
| Exposure class | DIN EN 13964 | A |
|----------------|--------------|---|

Sustainability

| | |
|--------------------------|-----------------------------------------|
| Product self-declaration | Self-declaration according to ISO 14021 |
|--------------------------|-----------------------------------------|

Statics

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|----------------|-------------------------------------------------------|
| Seismic safety | Qualification according to AC 156/SIA 261 Zone 1 - 3b |
|----------------|-------------------------------------------------------|

Certification

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|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CE marking | The ceiling system is a harmonised construction product acc. to regulation (EU) No. 305/2011 (Construction Products Regulation) and EN 13964: Suspended ceilings - Requirements and test methods. |
| TAIM e. V. | The ceiling system fulfils the requirements of the "Technical Manual Metal Ceilings" (TMMC) of TAIM e.V. (Association of Industrial Metal Ceiling Manufacturers). |

Surfaces

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|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Powder coatings | COLOURline - Powder coating MOODline - Powder coating, deep matt ARTline - Decorative powder coating GRAPHICline - Digital print |
| Perforations | BASICline - Standard perforations REGULARline - Further perforations SPREADline - Scattered perforations |



Additional equipment

| | |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Luminaires for fire rated metal ceilings | <u>T38 17 - Recessed luminaire for metal fireproof ceilings</u> <u>T38 12 - Recessed luminaire for metal fireproof ceilings</u> |
| Escape sign luminaires | <u>SRB Compact 200 - Escape sign luminaire</u> <u>SRB Compact 300 - Escape sign luminaire</u> |
| Loudspeakers | <u>Monacor SPE-150/WS - Low installation loudspeaker</u> <u>ic audio DL EN54 - ELA loudspeaker for voice alarm</u> |
| Protective boxes | <u>SK90 - Protective box for built-in part round/square</u> |
| Ventilation components | <u>Wildeboer BV90 - Fire protection valve (Series BV92)</u> |

Application examples



Project solutions

This product data sheet refers to the standard version of the product mentioned above. We would be happy to work with you to find the right solution for your project. Adapted to your building project, you will receive a perfectly matched system. Project-specific constructions and adaptations can be found in the offer documents.