

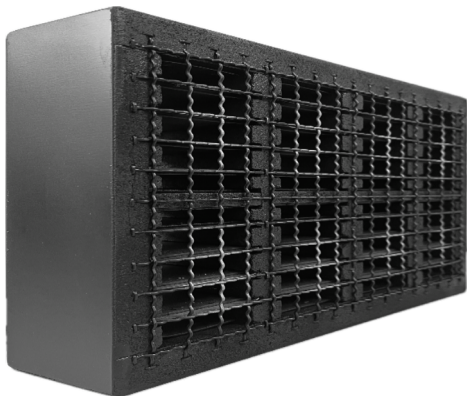
TECHNICAL DATA SHEET

Fire protection ventilation grid for vertical interior walls, type LKS 60/45 with exposed covers, type LKL.

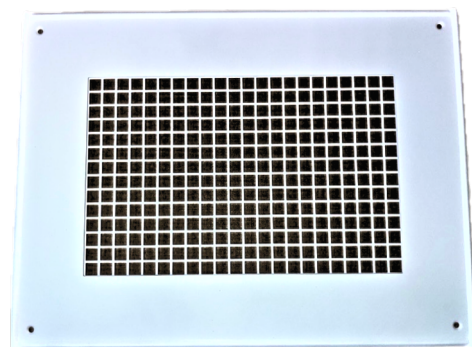
1. Product identification

- **Product name:** fire protection ventilation grid for vertical interior walls LKS 60/45 with exposed covers LKL (2 pcs).
- **Manufacturer / distributor:** Likuhas s.r.o., Czech Republic.
- **Purpose:** enables ventilation between separated spaces while maintaining the fire resistance of vertical partition structures.
- **Application area:** installation into vertical interior walls with fire resistance in administrative, residential, and industrial buildings.

Fire protection grid LKS



Exposed grid LKL



2. Technical specifications

- **Fire reaction class:** EN 13501-1+A1.
- **Fire resistance:** EI_{1,2} 30 – EI_{1,2} 90/ EW90.
- **Test standards:** EN 1364-5, EN 1634-2.
- **Material:** intumescent material / steel / colour.
- **Dimensions:** 300×139 mm up to 600×304 mm (w×h) (<https://likuhas.cz/#produkty>).
- **Activation expansion temperature of intumescent slats:** 180 °C.
- **Airflow in normal state:** 40-60 % (<https://likuhas.cz/#produkty>).
- **Colour:** fire protection grid LKS 60/45 - black, exposed covers LKL - grey. Covers can be painted in other RAL shades upon request.

3. Installation conditions

- **Recommended use:** installation into fire resistant vertical interior walls. Gybsum board walls, masonry walls, concrete walls with thickness from 100 mm.
- **Installations procedures:**
 - installation into a prepared opening in the wall.
 - mechanical fixation in the wall using construction dispersion adhesive.
 - compliance with the prescribed installation method in the manufacturer's Installation Manual.
- **Limitations:** not suitable for installation in floors and ceilings.

4. Certifications and standards

- **Certificate:** 204/C5/2018/080-022039, issued July 2024, valid until July 2027.
- **Building technical approval:** 080-026113, issued July 2024, valid until July 2027.
- **Test protocols:** Pr-18-2.033, Pr-22-2.199, issued by PAVUS a.s., Czech Republic, fire testing institute, accredited certification authority for product certification No.3041, authorized Body AO 216.
- **Classification:** in accordance with EN 13501-2: 2024.
- **Extended application:** in accordance with EN 15725.
- **Compliance with legislation:** CPR – EU Regulation on Construction Products.

5. Packaging and storage

- **Packaging:** cardboard boxes.
- **Storage conditions:** dry environment, temperature 0-40°C, protect from direct sunlight, dripping water, and mechanical damage.
- **Shelf life:** 5 years.

6. Safety information

- **Hazardous substances:** does not contain hazardous substances.
- **Waste disposal:** according to applicable regulations for construction waste.

7. Contact information

-  **Manufacturer / distributor:** Likuhas s.r.o.
-  **E-mail:** info@likuhas.cz
-  **Phone:** +420 775 371 570, +420 739 990 787
-  **Web:** www.likuhas.cz