



**chemical
products**
insulation solutions

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TECHNICAL DATASHEET OF FIRE PROTECTION INSULATION SYSTEM **ISOLSTOP FIRE 60**

For rectangular horizontal and vertical air-ducts for heating, ventilation and air-conditioning
(HVAC)

Name of the product: **ISOLSTOP FIRE 60**

Thickness:	40 mm +/- 3 mm
Dimensions:	1200x1000x40 mm
Density:	80 kg / m³
Facing:	Aluminum foil
Fire protection:	
➤ Minimum 45 minutes for rectangular vertical air-ducts	
➤ Minimum 45 minutes for rectangular horizontal air-ducts	
Thermal conductivity - λ 10 °C	<i>max. 0,035 W/mK</i>
Fire classification (EN 13501)	(A1) Non-flammable
Melting temperature	> 1000°C

• DESCRIPTION OF THE SYSTEM

The insulation system for fire protection of rectangular horizontal and vertical air-ducts with fire resistance of minimum **45 minutes**, produced by Chemical products Ltd. is a single layer insulation of mineral stone wool boards with 80 kg/m³ density and thickness 40 mm faced with aluminum foil **ISOLPLATE 80AL**. It is fixed to the air-duct with welding pins (nails). The slabs are glued to one another in length and width with a high temperature adhesive (up to 1000 °C) based on water glass. Flanges are protected by an additional strip 200 mm wide and 40 mm thick by **ISOLPLATE 80AL**, which is glued on the basis of water glass over the flanges.

• REACTION TO FIRE CLASSIFICATION

The system **ISOLSTOP FIRE 60** of minimum 45 minutes fire resistance is developed on the basis of mineral stone wool 80 kg/m³, thickness 40mm, fire class A1.

• FACING

Aluminum foil reinforced with fiberglass mesh, made from Lenzing Plastics GmbH & Co KG.