



# Elastopir® – the “firewall” for your industrial building.

Safety when it counts:  
Flame-retardant Elastopir® systems.

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## Elastopir® keeps cool when the going gets hot.

Panels consisting of metal-faced sandwiches with a polyurethane core are highly versatile in their uses thanks to their exceptional insulating properties. In addition to its Elastopor® systems for the insulation of facades, roofs and floors, BASF also offers special flame-retardant Elastopir® systems of polyurethane rigid foam specifically for industrial buildings. With their extra-high temperature stability, they achieve exceptionally high standards of fire protection in areas where conventional materials reach their limits.

### Product properties set new benchmarks

Produced with the aid of special PIR catalysts, polyisocyanurate (PIR) structures are particularly heat resistant. On exposure to flames, the PU foam carbonizes and protects the insulating material behind it.

### Tested, tried and approved

Polyurethane systems based on PIR satisfy the challenging requirements of prescribed fire resistance tests, such as LPS 1181 and EN-13501-2. The latter has demonstrated impressively that sandwich panels with Elastopir® rigid foam



cores 100 and 200 millimeters thick resist fire for at least 30 minutes and 60 minutes respectively.

### Elastopir® benefits your building

- Extra-good fire protection properties and compliant with exacting fire protection standards
- Low thermal conductivity
- Rapid and straightforward installation
- Excellent mechanical strength
- Outstanding temperature stability

Further information:

[www.polyurethanes.basf.de/pu/solutions/en](http://www.polyurethanes.basf.de/pu/solutions/en)

Elastopir® systems: Effective fire protection starts with the choice of material.

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