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

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