

## Tundish Stopper Arm Heat Shield

**TENMAT** are offering a solution to steel producers, that will prevent heat damage to stopper arms of tundishes in the continuous casting process.

The extremely high temperature of steel in a tundish can cause damage to stopper arms, causing warping and bending with failure of the stopping mechanism as result. **TENMAT FIREFLY FF700** millboard has proven itself to be an excellent solution to provide the required thermal insulation around the stopper arm, whilst maintaining good bending strength at high temperature and not softening and breaking. FF700 can be used unsupported without risking falling into the tundish prematurely.

**TENMAT FIREFLY** Millboards are recognised worldwide for their performance in the most demanding of applications. They have proven themselves under challenging conditions on account of low fume and low smoke generation, with significant resistance to wetting by molten metal.

**TENMAT** non-ceramic refractory millboards are classed as non-hazardous under EU regulations, and thus can be disposed of in non-hazardous landfill - unlike competitor products containing Refractory Ceramic Fibre (RCF).

## Customer Benefits

- Protects stopper arm from deforming
- Prevents issues with stopper mechanism
- High stiffness reduces risk of falling into tundish prematurely during pre-heating

## Key Features

- Non-asbestos
- A1 non-combustible
- Excellent stability up to 1100°C
- Resistant to splashes of metal
- Superb thermal insulation
- 100% exonerated, non-ceramic fibre
- Very high dimensional stability
- Superior performance-to-weight ratio
- Resistant to many minerals, acids, bases, solvents

## Applications

- Heat shield panels
- Splash guards
- High temperature gaskets
- Secondary Insulation

