

Industry:
Iron Manufacturing

Plant:
Sinter Strand Crash
Deck Blocks

Lining System:
K-ZAS

K-ZAS SINTER STRAND CRASH DECK BLOCKS

Key Features

- ✓ **Extreme abrasion resistance**
- ✓ **Constant hardness throughout the thickness of the ceramic block**
- ✓ **Total weight of the block being 50% that of steel**
- ✓ **Protects structural integrity**
- ✓ **Out performs steel castings by a factor of 3 to 1**



Problem: The extreme abrasion and heat affected zones within the sinter strand, many protective materials are inappropriate for use due to the prevailing conditions.

One of the most arduous conditions on the plant is the crash deck positioned above the sinter breaking machine. As the minerals bind together during the sintering phase, then at the point of discharge, a slab of abrasive sinter weighing up to 8000kgs can fall up to 5 metres in height onto the angled surface of the deck.

Solution: Kingfisher protects this wearing surface using their range of K-ZAS ceramic components. Measuring 400mm in thickness these blocks are grouted into the egg-box assembly of the deck and counter the extreme operating conditions. Using the K-ZAS ceramic lining system, the deck can process in excess of 6 million tonnes of product before refurbishment is required.

Protecting Industry Worldwide

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