

Typical Applications

- Parts exposed to heavy abrasion and moderate impact.
- Cement and steel.
- Glass, ceramics industries.
- Ventilators, coke oven carriage, pumps.
- Mixer parts, conveyer screws.
- Power plants, mines machine parts etc.

Coating Alloy Standards

EN 14700 T Fe 14

General Characteristics

PANZERCROM[®] CCr466 is a composite hardfacing tabular plate consisting of a weldable steel plate and a wear resistant coating.

Our unique 'Add-in Process' technique avoids dilution with the backing base material of the wear plate. Compared to conventional procedures, "Add-in Process" welding procedures heat inputs are lower. Low heat input dramatically reduces dilution of alloying elements and this provides a perfect microstructure with a homogenous and high proportion of carbides distribution.

High C and Cr alloyed stainless weld metal provides excellent resistance to heavy abrasion and medium impact. Dispersed chromium carbides in combination with borides produce ultimate wear resistant coating surface.

The coating of a C, Cr alloy is related to the alloy group Fe14 according to EN 14700.

Wear Resistance

Impact	Metal to Metal	Abrasion
☆☆☆☆★	☆☆☆☆★	☆☆☆☆★

Microstructure

Homogeneously dispersed primary carbides and eutectic carbides in an austenitic matrix.

Typical Mechanical Properties

Heat Treatment	Welding Sequence	Hardness (HRc)
As Welded	Weld Metal (3 Layer)	58-62
As Welded	Wear Plate	60-62

Storage Informations

Products should be stored in moisture free room on wooden, composit or plastic pallets.