CTC-X®

Is the super extreme in wear resistant liners and is designed for applications that experience severe abrasion, where standard wear plate is ineffective. CTC-X® is available with Cemented Tungsten Carbide & Cobalt tiles, in a range of thickness up to 20mm, vacuum brazed to a mild steel backing plate.

BASE MATERIAL

The standard base material is mild steel plate of varying thickness, ensuring the finished parts are readily weldable.

CTC-X® TILES SPECIFICATION

CTC-X® tiles are manufactured to ensure compliance with the physical properties of the tiles for the service application of the liners. **CTC-X®** tiles are manufactured to ensure compliance with the physical properties of the tiles for the service application of the liners.

TYPICAL CTC-X® TILE PROPERTIES

Bulk Hardness:	86 - 93 HRA
Density:	13.6 – 14.5 g/cm³
Transverse Rupture Strength:	≥2200 MPa

CTC-X® TILE BOND STRENGTH

The bond strength of the vacuum brazing process is critical to the performance of the liners.

Bond Strength:	>60 MPa

WELDING

Welding to the base plate is possible, but not recommended, except for stud welding (AS 1554.2), as this may compromise the bond between the base material and tiles.

CUTTING, FORMING & FABRICATION

Due to the extremely hard nature of the **CTC-X®** tiles they can not be formed.

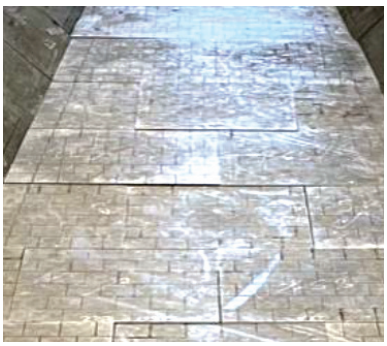
BENEFITS

- Vacuum brazed bond exceeds typical bond strength for rubber or direct bonded ceramics.
- Mild steel base plate can be easily stud welded.
- Extremely hard liners for extremely abrasive conditions.

APPLICATIONS

Applications involving severe sliding abrasion and medium impact, such as:

- Chutes
- Deflector chutes
- Ore Handling Systems
- Liner Plates



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Technical Data Sheet available upon request

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