



Si-Tec® Ceramic Composites Specification Sheet

Si-Tec® Composites are made of extremely hard ceramic material encapsulated in an impact-resistant high chrome iron matrix. The ceramic material (82 Rc) fortifies the impact resistant metal matrix (60-63 Rc), significantly increasing wear life. The resulting composite is extremely resistant to sliding abrasion and holds up well to impact of dense 8" minus ore.

Applications: Si-Tec® Composites are successfully utilized in a range of applications from impact crusher wear parts to large primary feed chute liners.

Relative to standard white iron or AR steels, Si-Tec® wear life is most impressive when used in high silicate or quartz content ores applications.

Product Benefits: Twice the wear life in most applications.
Longer wear life means....

- fewer change outs
- fewer interruptions to production
- increased equipment uptime
- fewer replacements and associated injuries
- lower liner costs per ton of ore processed

Installation Tips: Skirtboard liners are an ideal application of this composite material. Si-Tec® skirtboard liners have a symmetric design so that they can be flipped over, reinstalled, and the opposite edge used in the wear application. This allows a single skirtboard to be used twice in the application.

