

KALMETALL® Hard Overlay Welding Plates

Tough Wear Resistant Lining Material Available from Abresist Kalenborn for Handling a Combination of Impact Wear and Sliding Abrasion

KALMETALL® hard overlay welded plates are a combination of a strong steel base and a hard overlay welded chromium carbide protective layer that is impact, high temperature and abrasion resistant. The base consists of standard carbon steel or alloy plates designed to suit your specific application. The protective layer is composed of a C-Cr-Fe system with primary chromium carbides and is an integral part of the structure. Longest lasting wear material available.



- Installs into existing steel structures.
- Design as a cost-effective, low weight, self supporting structure.
- Hard-facing available in a variety of different qualities, thicknesses and dimensions.
- Standard base material is A-36 carbon steel for operating temperatures up to 662° F / 350° C.
- Standard base thickness is 3/16" or 1/4".
- Others available.
- Standard hard-faced metal plates range from 48" x 96" to 60" x 120".
- Wide selection of fastening systems.
- Customized components.
- Watch the video

Installation: individual shaped hard cast components can be mechanically attached. The lining components can also be laid in mortar, epoxy or temperature and acid resistant based mastics. In addition, self-supporting structures can be designed using hard faced sheets assembled by mechanical means or by welding.

Application temperature: up to 1382° F / 750° C depending on material, application and geometry.

Advantages: highly impact and abrasion resistant.



Clinker dust pipe: cyclone exit protected with KALMETALL®.



PF-burner lined with KALMETALL®.