

Hard Compound for Wear Protection

Kalcret cement-bonded hard compound provides wear protection for system components and pipes. It boasts a reduced mixing time of approximately five minutes, easier handling, and a faster installation time; it can also be easily applied overhead. The material is made up of a hard aggregate material, cement binder, and micro and nano silica. The hard aggregate provides the wear protection, while the micro and nano silica fill the pores between the cement portions. The material reaches high strength and wear resistance after eight hours, is suitable for temperatures up to 1,200°C/2,192°F, and handles a broad range of abrasive products including coal, cement, ore, sand, and other hard granular materials. It is available as a troweled, cast, or sprayed-on compound to provide a continuous lining for system components with horizontal, vertical, inclined, curved, flat, and large surfaces; it is also available in prefabricated shaped elements and equipped with threaded studs or weld clips.

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