

Hazardous Dust Containment System

KT-Grant has been providing Encapsulation Service for more than 20 years to our valued customer base. As the leader in refractory demolition services, we have continuously evolved to meet the changing and challenging requirements of our industries served. While we recognized the need to provide a safe working environment for both KT-Grant and customer employees many years ago, we continue to reinforce our commitment to this effort in offering this service.

OSHA has issued a new compliance standard aimed at protecting workers from exposure to respirable crystalline silica (<https://www.osha.gov/Publications/OSHA3682.pdf>). KT-Grant has met this new challenging requirement head-on by reviewing our current practices and ensuring that our Encapsulation System provides the necessary containment and filtering to provide uninterrupted process flow to our customer's operation while conducting our work.

Our practical and cost-effective system for encapsulation is proven as extremely efficient and reliable for controlling and containing evolved solid particulates. Our methodology can be adapted to any plant layout and modified to meet individual plant standards. Encapsulation can be expanded to include material disposal areas if required.

The entire process of constructing our encapsulation system is typically completed in 8-hours or less, and can be scheduled to coincide with furnace/refractory process system cool-down (typically 8-12 hours). The KT-Grant encapsulation system incorporates a fresh air draft system which utilizes high-quality HEPA filtering, thus providing effective containment within the affected work zone(s).

Safety is of utmost importance at KT-Grant. Therefore, all individuals working within the encapsulation area are properly trained, tested and fitted with all required PPE. If required, a third party AIHA approved Industrial Hygiene contractor can be employed to conduct air monitoring during the refractory removal process and ensure that safe levels of crystalline silica dust are maintained.



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