



Exposure to Silica Dust

Historically when a mechanical fixing is required for passive fire protection or thermal insulation applications on a concrete substrate a drilled & tapped or shot fired fixing is utilised. Both options release fine dust particles of crystalline silica dust. Crystalline silica dust exposure is the single biggest risk to construction workers after asbestos.

Silica can be found in many materials used in the construction industry such as sand, asphalt, concrete, soil, granite, slate, brick, and mortar.

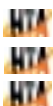
Drilling or shot fixing into these materials can release microscopic silica dust particles into the air. If these airborne particles are inhaled, they cause irreversible, but preventable lung disease, called silicosis. Work exposures to silica dust also cause other serious diseases, including lung cancer

HTA 120 High Temperature Rated Silicone Sealant/Adhesive removes the risk – No drilling, No tapping and No shot fixing. A simple modification to the traditional installation procedure with no reduction in performance.



Further details about the risk associated with silica dust can be found at-

- www.hse.gov.uk/pubns/indg463.htm
- <https://www.cancer.org.au/cancer-information/causes-and-prevention/workplace-cancer/silica-dust>
- www.cdc.gov/niosh/topics/silica/exposure.html
- https://eur-lex.europa.eu/resource.html?uri=cellar:ef3196db-18f4-11e6-ba9a-01aa75ed71a1.0009.02/DOC_1&format=PDF



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