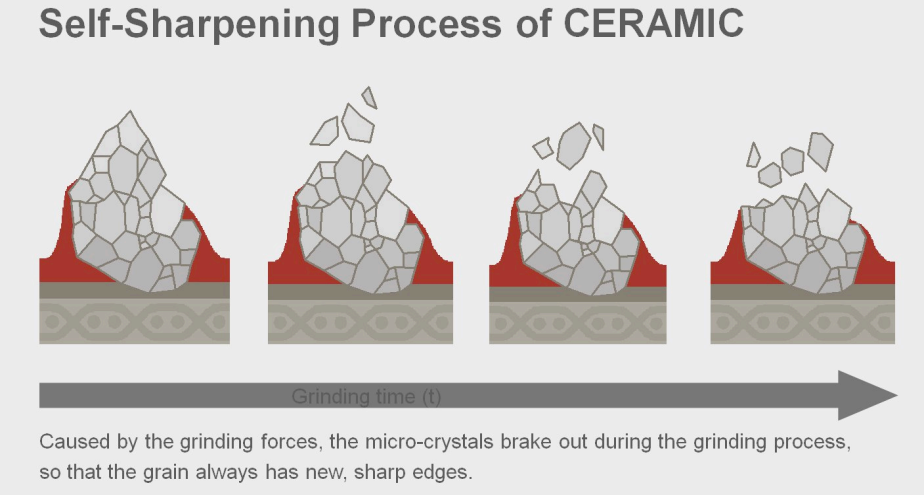

This technology also allows certain ceramics to provide a cut rate up to 400% faster than standard silicon carbide or aluminum oxide filaments. Ceramics don't conduct heat, allowing them to run cool and stain free. In addition, they can withstand extremely high temperatures, ranging from 1,000 °C to 1,600 °C (1,800 °F to 3,000 °F).

Due to the toughness of ceramics, at a grit of P40, both ceramic and zirconia have comparable scratch patterns. However, at a grit of P60 and up, ceramics outperform zirconia with a much finer scratch pattern. This is because zirconia requires heat in order to become aggressive, which is difficult to achieve at a higher grit.

Why Make the Change?
Ceramic abrasives provide the longest life and fastest cut rate of all coated abrasives. They represent the ultimate in performance by providing an aggressive cut that, compared to other abrasives, requires less pressure to be applied by the user, saving them their energy.

Switching to ceramic abrasives can improve the quality of your work — finer scratch patterns, no burning or staining, minimal loading — as well as reduce your equipment's use, lengthening its life. Ceramic abrasives' versatility makes them a welcome addition to, or replacement for, your current coated abrasives.

Be sure to take a look at the wide range of ceramic products Mercer Abrasives has to offer, and if you're in need of more information, feel free to check out our website or reach out to our customer service team.