

Metakaolin's role in the decarbonisation of the Cement Sector

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The cement industry is one of the key enablers of our rapidly modernising society, as the construction and infrastructure sectors are expected to maintain an accelerated growth rate for decades to come. The growing focus on the decarbonisation of the global economy has placed the cement sector under renewed scrutiny, as Governments and Industry players have committed to reduce its carbon footprint dramatically over the medium term. With clinker, the clinker production process and logistics contributing the lions share to this sector, alternative pozzolanics, manufacturing processes and logistic solutions are currently being evaluated to identify near term emission gains for the sector.

Metakaolin is one alternative pozzolanic which provides the sector to reduce its carbon footprint, without compromising on the quality, strength or chemical characteristics of cement. Metakaolin has been in use as a pozzolanic for a number of decades, and recent advances in production technologies have returned it to the forefront as a commercially attractive alternative to conventional Pozzolancics, such as clinker. Suvo is evaluating these emerging technologies in conjunction with its Australian based resources to reduce the emissions from this sector, whilst remaining focussed on the opportunity to produce a costs competitive offering to the market.