

Castables Comparison

Advanced Technology

Product Family	Description	Installation Process	Characteristics	Solutions/Advantages
V-CAST®	Ultra-low cement, low moisture	Requires cement and water addition	<ul style="list-style-type: none"> • Excellent hot and cold strengths 	<ul style="list-style-type: none"> • Rapid dehydration properties for fast turnaround
TEK-CAST	Cement free, low moisture	Water addition only	<ul style="list-style-type: none"> • Superior performance for iron and copper applications 	<ul style="list-style-type: none"> • Multiple SiC levels available



Z-TEK in launder



NANO-TEK® installation



TEK-CAST in Channel Furnace

Product Family	Description	Installation Process	Characteristics	Solutions/Advantages
NANO-TEK®	Cement free, colloidal silica bonded	Requires liquid colloidal silica bond addition (in place of water)	<ul style="list-style-type: none"> • High hot strengths • Resistant to abrasion, erosion and thermal shock • Well suited for molten metal contact in ferrous and non-ferrous applications 	<ul style="list-style-type: none"> • Excellent thermal shock resistance • Accelerated heat up schedules for reduced downtime • Alkali resistant • Resistant to mechanical abuse in impact zones • Used where aggressive slags are present, such as launder systems and ladles
Z-TEK	Cement free	Water addition only		