

Table 3. Product Applications

Area	Application
Structural ceramics	<ul style="list-style-type: none"> • High-strength construction materials. • High-volume waste recycling in construction and industry • Architectural products • Road repair in cold climates • Sealants • Fireproof insulation • Binders.
Waste stabilization	<ul style="list-style-type: none"> • Stabilization of contaminated solids, sludges and liquids • Chemical immobilization and physical encapsulation of all hazardous metals, low-level radioactive waste, fission products and transuranics • Macroencapsulation of contaminated debris, metal and nonmetal equipment • Recycling of benign high-volume wastes <ul style="list-style-type: none"> ○ Ash ○ Mineral wastes ○ Metal swarfs ○ Wood dust ○ Glass waste ○ Tires
Drilling and completion of oil and natural gas wells	<ul style="list-style-type: none"> • Superior sealant • Zonal insolation • Borehole stabilization • Higher flexural strength cement for lateral drilling • Debris stabilization
Bioceramics	<ul style="list-style-type: none"> • Dental cements, • Bone cements.
Refractories	<ul style="list-style-type: none"> • Pumpable refractories • Casting of large refractory crucible and components

