



INTERNATIONAL TECHNICAL CERAMICS, INC.

Energy-Saving Ceramic Coatings and Kilns

Fibre Modules • Kiln & Furnace Repair Products

ITC KILN REPAIR PRODUCTS

ITC 100 HT Ceramic Coating

USE: To save fuel and to repair and protect all kiln interiors made of brick, castable, fibre blanket or fibre board and burner blocks and burner tips. To minimize glaze sticking on kiln furniture, such as setters, slabs and pins.

PREPARE SURFACE: Remove all debris, loose particles, dust, etc. from interior walls, door, crown and grooves behind electrical elements. Vacuum if possible. Immediately before applying coating, dampen these areas by spraying lightly with water.

MIX: To one pint of ITC 100 HT add 1/2 pint of water and mix well.
To one gallon of ITC 100 HT add 1/2 gallon of water and mix well.

APPLY: Using a spraygun, apply a thin coat on the dampened surface. A brush can be used, dipping the brush into water first each time. Spray or brush through elements. Spraying is preferable.

ITC 200 EZ Ceramic Repair

USE: Excellent for repairing broken, chipped or cracked brick or burner blocks, castable or fibre material and for filling in crevices.

PREPARE SURFACE: Apply ITC 100 HT as directed above.

APPLY: If necessary, thin with ITC 100 HT as prepared above. Using a spatula or similar tool, simply fill all cracks, holes, crevices and damaged areas, including areas behind electrical elements in need of repair. Allow to dry.

ITC 296A Ceramic Top Coating

USE: To obtain a higher degree of purity when firing porcelain, jewelry and other fine items. To further enhance kiln performance and to increase longevity of electrical elements.

PREPARE SURFACE: Apply ITC 100 HT and ITC 200 EZ as directed above.

MIX: To one pint of ITC 296A add 1/2 pint of water and mix well.
To one gallon of ITC 296A add 1/2 gallon of water and mix well.

APPLY: Fire at least twice after application of ITC 100 HT and ITC 200 EZ. Spray or brush entire surface, including elements. Spraying is preferable.

Mailing Address
P.O. Box 1726
Ponte Vedra, FL 32004

Research & Development Center
325 Mealy Drive, Mayport Industrial Park
Atlantic Beach, FL 32233

Section V — Reactivity Data

Stability	Unstable	N/A	Conditions to Avoid	N/A
	Stable	N/A		

Incompatibility (Materials to Avoid) N/A

Hazardous Decomposition or Byproducts N/A

Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic)
Material is non-toxic; however, if inhaled, swallowed or painted on skin, can create health hazards.

Carcinogenicity: N/A NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure
Lung, skin, or eye irritation can occur if unprotected during application.

Medical Conditions Generally Aggravated by Exposure
Any pre-existing lung, skin, or eye disease will be aggravated with inadequate protection during application.

Emergency and First Aid Procedures
Wash eyes and body immediately upon contact.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Put in proper receptacles and dispose of in accordance with local, state, and federal laws.

Waste Disposal Method
This material if disposed will harden by outside temperature into solid form that is non-hazardous to nature.

Precautions to Be Taken in Handling and Storing
Keep container lids tightly sealed when not in use.

Other Precautions
Use OSHA approved air purifying respirator, safety goggles, work clothes and gloves during application.

Section VIII — Control Measures

Respiratory Protection (Specify Type) Air purifying respirator

Ventilation	Local Exhaust	Best	Special	N/A
	Mechanical (General)	Best	Other	Best

Protective Gloves Advisable to use during application Eye Protection Safety goggles

Other Protective Clothing or Equipment
Standard work uniforms that protect skin

Work/Hygiene Practices
Attention to cleanliness and personal care will prevent problems.

THIS PAGE LEFT INTENTIONALLY BLANK