

INTERNATIONAL TECHNICAL CERAMICS, INC.

Energy-Saving Ceramic Coatings and Kilns Fibre Modules • Kiln & Furnace Repair Products

ITC 213 CERAMIC COATING FOR METALS

ITC 213 will protect all metal parts from oxydation or reduction and other harsh environments such as high temperatures and proximity to molten metals, molten glass or glazes.

TO PREPARE SURFACE: Remove any metal scaling, loose rust, grease and dust. Also remove any paint on the surface of the metal. Sandblasting is not recommended nor using any kind of solvent such as kerosene, alcohol, etc. Use a wire brush, file, hacksaw blade or grinding wheel if possible. Rinse with plain water and wipe with clean cloth.

ITC 213 comes ready to use. MIX WELL AND APPLY, using a short bristle medium hard brush or foam paint edger or a cloth.

For large areas use a cup spraygun, available from a hardware store or ITC. In case of spraying, it is necessary to dilute the ITC 213 as follows:

To one pint of ITC 213 add 1/3 pint of water and mix well. To one gallon of ITC 213 add 1/3 gallon of water and mix well.

ELECTRICAL ELEMENTS

New elements have a greasy residue left from the wire manufacturing process, which may cause the ITC 213 to flake off if not removed. One method is to pre-fire elements after stretching for 5 to 10 minutes to achieve at least cherry-red glow. If this is not possible, the elements can be heated in a furnace or kiln at 700° F for 30 minutes. Allow to cool.

The ITC 213 can be applied as described above or can be applied by dipping. Using a wide shallow pan, empty the ITC 213 into the pan and add 1/3 water, mixing well. Dip the entire element except for the lead wire into the ITC 213 mixture. After dipping, shake the element to remove excess coating and hang to dry for several hours or overnight. The elements are now ready to install.

Mailing Address

P.O. Box 1726 Ponte Vedra, FL 32004 Research & Development Center
325 Mealy Drive, Mayport Industrial Park
Atlantic Beach, FL 32233

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072



IDENTITY (As Used on Label and List)	Note: Blank spaces are not permitted. If any item is not a information is available, the space must be marked	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.				
Section I						
Manufacturer's Name INTERNATIONAL TECHNICAL CERAMIC Address (Number, Street, City, State, and ZIP Code)	Emergency Telephone Number (904)285-0200 Telephone Number for Information)				
PO Box 1726	(904)285-0200					
Ponte Vedra, FL 32004		January 01, 2000 Signature of Preparer (optional)				
Section II — Hazardous Ingredients/Identity Info	rmation					
Hazardous Components (Specific Chemical Identity; Common N	Other I Imits	O/ /tionall				
ITC-213 is made of non-toxic		% (optional)				
Section III — Physical/Chemical Characteristics						
Boiling Point 3000° F	Specific Gravity (H ₂ O - 1) N/A					
Vapor Pressure (mm Hg.) N/A	Melting Point 3500° F					
Vapor Density (AIR = 1) N/A	Evaporation Rate (Butyl Acetate - 1) N/A					
Solubility in Water N/A						
Appearance and Odor Odorless ceramic p	easte					
Section IV — Fire and Explosion Hazard Data						
Flash Point (Method Used) 3500° + F	Flammable Limits N/A	UEL				
Extinguishing Media N/A						
Special Fire Fighting Procedures	h temperature applications as coat	ing for				
metal surface to prevent rust						
Unusual Fire and Explosion Hazards	.					

Section V —	Reactivity Data					•
Stability	Unstable	N/A	Conditions to Avoid N / A			
	Stable	N/A	 			
Incompatibility (Materials to Avoid)	N/A	<u> </u>			
	mposition or Byprodu	ote .	N / A			
Hazardous Deco	mposition of Byprodu	CIS	N / A			
Hazardous Polymerization	May Occur		Conditions to Avoid			
	Will Not Occur	X	N/A			
Section VI -	- Health Hazard	Data				
Route(s) of Entry	/: Inha	lation?	X Skin? X		Ingestion	n? X
Health Hazards Materi	(Acute and Chronic) al is non-	- toxi	c; however, if inhal	ed, s	wallowed or p	ainted on
skin,	can create	hea	1th hazards.			
				-	-	
Carcinogenicity:	N/A NTI	?	IARC Mork	graphs?	OSHA F	Regulated?
Signs and Symp	otoms of Exposure	ye i	rritation can occur	if un	protected dur	ing application
Medical Condition Generally Aggra	ons vated by Exposure	Any	pre-existing lung,	skin,	or eye disea	se will be
aggrav	ated with	inad	equate protection du	ring	application.	
Emergency and	First Aid Procedures	dv i	mmediately upon cont	act		
wasii c	yes and bo	<u>u y _ </u>	mmediately apon con-	act.		
Castlen VIII	Presentions	or Sa	fe Handling and Use			
Steps to Be Tal	ken in Case Material	ls Reie		in a	accordance wit	h local
	and feder			_		<u> </u>
State,	and reder	<u> </u>				
Waste Disposal	Method					
This m	aterial if	_	posed will harden by		side temperatu	re into
			on-hazardous to nati	re.		
Precautions to 1	Be Taken in Handling container l	ids	tightly sealed when	not i	n use.	
Other Precaution	ons HA approve	d ai	r purifying respirat	or, s	afety goggles	, work clothes
and gl	oves durin	дар	plication.			
Section VIII	— Control Mea	sures				
	otection (Specify Type		r purifying respira	or		· · · · · · · · · · · · · · · · · · ·
Ventilation	Local Exhaust			Special		
V 51(11)=11	Mechanical (Gene		Best	Other	N/A	
			Best		Best	·
	<u>ble to use</u>		ing application Eye P	rctection	Safety goggle	S
Other Protectiv	e Clothing or Equipm	ent	ms that protect ski	<u> </u>		
Work/Hygienic	Practices		ness and personal c		ill prevent no	

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