

# ITC PROBLEM SOLVING CHART

<b>ALUMINUM SMELTERS</b>	
• Repair and maintain brick, fiber and castables in contact with molten aluminum.....	ITC 100, 148, 296A
• Repair and maintain brick, fiber and castables on doors and areas above molten metal line...	ITC 100, 200, 296A
• Repair furnace door jambs.....	ITC 100,148
• Repair and maintain crucibles, pouring ladles and troughs .....	ITC 100, 148, 296A
• Minimize dross build-up and carbon deposits on metal .....	ITC 213, 296A
• Protect graphite pumps and graphite parts used in molten metals .....	ITC 213, 100, 296A
• Protect and prolong thermocouple life .....	ITC 213, 296A
• Repair burner blocks .....	ITC 100, 200
<b>DIE CASTERS</b>	
• Save fuel .....	ITC 100, 200, 296A
• Repair and maintain refractory .....	ITC 100, 200, 296A
• Minimize seeding, peeling, chipping, dusting and cracking of refractory .....	ITC 100, 200, 296A
• Protect metal utensils such as ladles, skimmers, thermocouples .....	ITC 213, 296A
• Repair burner blocks .....	ITC 100, 200
<b>STEEL FOUNDRIES</b>	
• Repair and maintain tundish .....	ITC 100, 148, 296A
• Minimize slag build-up on metal equipment .....	ITC 213, 296A
• Repair and protect metal molds.....	ITC 213, 296A
• Repair and maintain crucibles, ladles and pouring troughs .....	ITC 100, 148, 296A
• Prolong electrical element life .....	ITC 213, 296A
• Spray coating for sand molds .....	ITC 213, 296A
<b>HEAT TREATERS</b>	
• Save fuel, improve uniformity of temperature .....	ITC 100, 200, 296A
• Repair brick or fiber in furnaces .....	ITC 100, 200
• Prolong electrical element life .....	ITC 100, 296A
• Protect fans, retorts and other metal parts .....	ITC 213, 296A
• Mend cracked steel in ovens .....	ITC 213, 296A
• Repair burner blocks .....	ITC 100, 200
• Reduce recovery time .....	ITC 100, 200, 296A
<b>POTTERS, ARTISTS, PORCELAIN, BRICK &amp; TILE MANUFACTURERS</b>	
• Save fuel, cut down firing times, improve uniformity of temperature .....	ITC 100, 200, 296A
• Repair brick and fiber in kilns .....	ITC 100, 200
• Minimize kiln dirt and improve ware quality .....	.ITC 100, 296A
• Minimize glaze sticking to shelves and kiln furniture .....	ITC 100, 296A
• Prolong electrical element life .....	ITC 100, 296A
• Protect metal sand seals on car bottoms and metal burner tips .....	ITC 213, 296A
• Repair burner blocks .....	ITC 100, 200
<b>POWER PLANTS, PAPER MILLS &amp; INCINERATORS</b>	
• Repair and prolong refractory life in furnace area and minimize ash build-up .....	ITC 100, 148, 296A
• Protect metal water and steam pipes in boiler area and minimize ash build-up .....	ITC 213, 296A
• Repair burner blocks .....	ITC 100, 200
<b>GOLD, SILVER &amp; OTHER PRECIOUS METALS</b>	
• Repair and maintain crucibles and ladles .....	ITC 100, 148, 296A
• Repair and maintain graphite equipment and parts .....	ITC 213, 100, 148, 296A