



Refractory Anchors, Inc.

9836 S. 219th E. Ave.

Broken Arrow, OK 74014

800-331-3270 • 918-455-8485 • FAX 918-455-9321

www.rai-1.com • sales@rai-1.com

KilnCoat 2100

DESCRIPTION

KilnCoat 2100 is water based ceramic coating formulated for spray brush or trowel-on application and is available in 5 gallon pails or 53 gallon drums.

USES

KilnCoat 2100 is formulated for application on internal steel surfaces of high temperature process equipment. KilnCoat 2100 is designed to form a durable refractory coating on the internal steel surface underneath refractory materials. KilnCoat not only provides protection against oxidation, but also reduces the overall casing temperature by providing insulation at the most critical point of heat loss. KilnCoat 2100 is formulated to withstand temperature up to 2100° F. KilnCoat 2100 contains no organic carriers or binders such as epoxy or urethane which burn out at temperatures in excess of 500° F.

APPLICATION

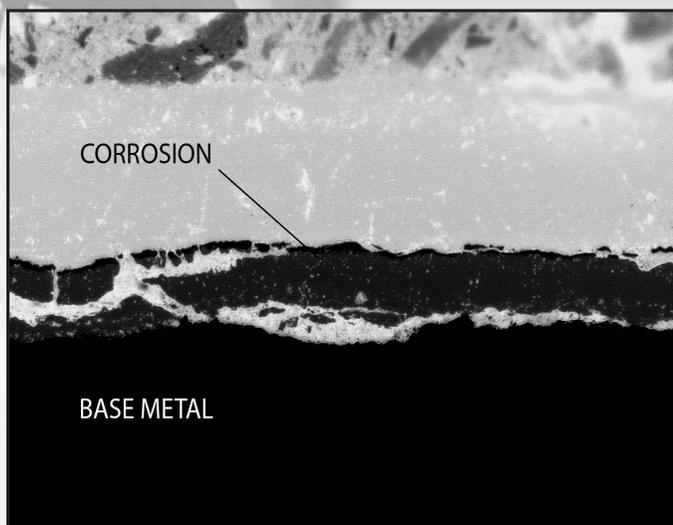
Before applying KilnCoat 2100, steel surfaces should be sand blasted to a Near White metal, Nace 2, SSPC SP-10 finish with a surface profile greater than 3.0 mils/75 microns. Recommended application thickness is 40mils (.040") thickness. KilnCoat 2100 can be applied with a simple garden sprayer and will dry within 4-8 hours. Since KilnCoat 2100 does not contain organic solvents, respirators or special air evacuation equipment is not required. KilnCoat 2100 cleans with soap and water.

STORAGE

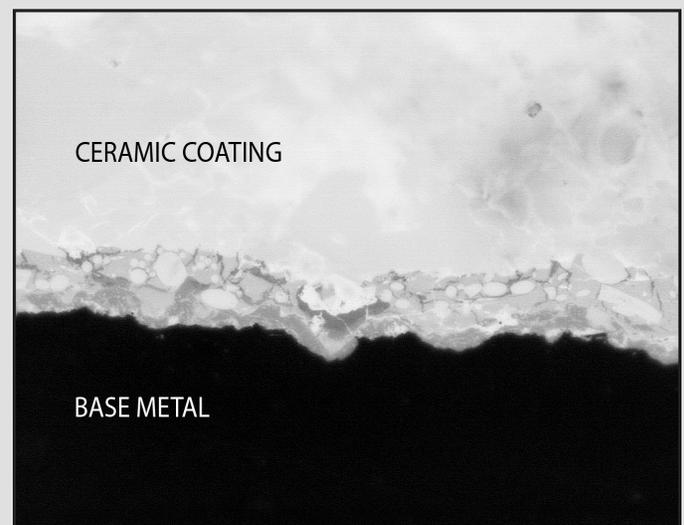
Do not store KilnCoat 2100 at or below freezing temperatures.

SINGLE TEST CUPON

120 HOURS @ 1400° F



UNCOATED



COATED

930X MAGNIFICATION

KilnCoat 2100

LIST OF MAJOR INGREDIENTS

Vitrified Ceramic Materials, Aluminosilicate
Water
Silica (Amorphous)
Hydrated magnesium aluminum silicate

TYPICAL PROPERTIES AND PERFORMANCE

Density, lbs./gal.14.5
Coverage, SF/gal. (.040" thickness) 40
Temperature Use Limit, deg. F 2150
Appearance..... White Paint
Shelf Life (Unopened), Months 12
Dry to touch, hours4-8
Linear Shrinkage (% , 24 hours @ 2300 deg. F) 3.2
Mean Coefficient of Expansion (in/in deg. F) 3.0 X 10⁻⁶

CHEMISTRY

Al₂O₃.....37.2
SiO₂.....59.1
Na₂O.....0.7
MgO.....0.3
Fe₂O₃0.7
TiO₂.....1.4
Trace Inorganics0.6

LIMITED WARRANTY

Refractory Anchors, Inc. makes no warranty, either express or implied, as to the quality, merchantability or fitness for any particular purpose of any products referred to and except as hereafter stated, makes no guarantee of results or of satisfaction from reliance upon the information of recommendations set forth. The buyer's or user's exclusive remedy and Refractory Anchors, Inc. sole limit of liability from any losses resulting from the use of said product shall be for the purchase price of the product causing the loss.



READ MSDS SHEET BEFORE USE • MANUFACTURED FOR

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KEEP OUT OF THE REACH OF CHILDREN • MADE IN U.S.A.