

PureCoat Coating

-lower dross adhesion & improved crucible performance

Prime Features

- Excellent non-wettability leading to low dross adhesion
- Low coating thickness (Fig.2)
- Low porosity, high density coat due to nano-scaled ingredients

Applications

- Zinc distillation
- Aluminium alloys
- Copper melting

Usage Instruction

- All types of crucibles
- All types of furnaces
- Installation and pre-heating procedures of coated crucibles remain unchanged

Physical & Technical Properties

- Colour: White
- Max. application temperature: 1500°C

Quality

PureCoat Coating coated crucibles are manufactured from premium grade raw materials under an ISO 9001:2008 quality management system.

For more information, contact us today.

Please note that all values quoted are based on laboratory tests and may not reflect actual results. These values are not guaranteed in anyway whatsoever and should be treated as indicative and for guidance only. Please consult your local provider for a personalized recommendation according to customer application 11/2016.



Fig. 1: PureCoat coated crucible

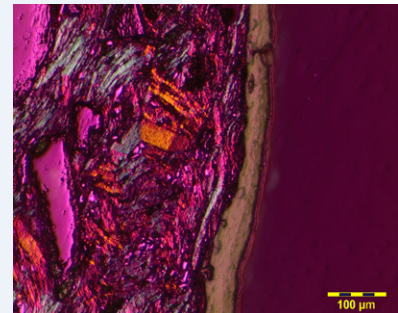


Fig.2: PureCoat Coating under the microscope

Coated Crucibles

-enhanced crucible performance

Introduction

Functional coatings are a very fine layer of chemical compounds which can be applied on internal surface of crucibles to significantly improve performance, reduce impurities when melting and holding pure alloys. It also stops dross build up and makes clean up fast and easy.



Applications

Coatings can be used in aluminium applications, zinc distillation, precious metals and pure copper melting.

Coating Selection Table

Coating	Crucible Type	Alloy	Use	Max. Metal Temp.
PRO Coating	All types of crucibles	Al (99,999%) & Al alloys	Reduce dross adhesion	1600°C
		Zinc distillation	Limit metal contamination	
		Precious metals		
STAR Coating	All types of crucibles	Al (99.999%) & Al alloys	Reduce dross adhesion reduction in aluminium	1000°C
		Precious metals	Limit metal contamination	
ResCoat Coating	All types of crucibles	Cu & Cu Alloys	Increase erosion resistance	1600°C
		Precious metals incl. using fluxes	Limit metal contamination	
PureCoat Coating	All types of crucibles	Zinc distillation	Reduce dross adhesion	1500°C
		Pure copper melting	Limit metal contamination	