

NEW

# COATING FOR PROTECTION



## ZEROPAINT GC-588R

### CHARACTERISTICS

- Forms strong coating layer, with high protection for base material.
- Prevents aluminum sticking, with less sticking.
- High protection and non-sticking property even for special aluminum alloy melt.
- High heat-resistance ability(~1400 °C※), no coating deterioration even under high temperature.
- Red, water-based



※according to test in our factory

### OBJECTS FOR USE

**Objects:** Pouring Ladle, Hopper, Ladle, Spout, Crucible, Melting Tools, etc.

**Material:** Cast Iron, Ceramics, Graphite, etc.

### USE EXAMPLES

- Objects for Use:** Cast-iron Pouring Ladle  
**Melt Material:** ADC6 (hydro-based aluminum alloy)

Coating \ Performance	NON-STICKING	COATING LIFE
Previous Coating (made by other manufacturer)	With much aluminum sticking on ladle, much aluminum oxide falling down on the floor	Coating peeling-off on the 3 <sup>rd</sup> day of use
GC-588R(base layer)+ Non-Sticking Coating DC-407S(top layer)	High non-sticking ability, very clean ladle surface during pouring, less oxide falling on the floor	2 times longer than other product, longer ladle use life, ladle maintenance time is largely shortened.

- Objects for Use:** Alumina Crucible  
**Purpose for Use:** Protection of Crucible Non-sticking  
**Melt Material:** Special Al Alloy Melt (1400~1500°C)

~Customer's Voice~  
 After using GC-588R, we found less Al sticking on crucible surface, and much easier to remove it.

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## ZEROPAINT GC-588R

### HOW TO USE

#### APPLICATION PROCEDURE FOR LADLE

##### 1. CLEAN LADLE

Use shot blasting, leutor, brush or grinding paper to remove all things stuck on ladle surface.

For place with corrosion, repair it by welding, etc.

For brand-new ladle, it is necessary to remove oil on its surface by oil-burning, etc.

##### 2. PREPARE COATING

Normally, apply original coating with brush at room temperature.

Fully mix original coating.

Dilute it when original coating is difficult to apply.

(original coating 1 : water 0.1~0.3 by weight ratio )

##### 3. APPLICATION

Absorb some coating with brush, apply it evenly on ladle surface.

Start application from ladle inside.

Thickness is targeted at 50~200µm.

*(When in need of much higher non-sticking property, we recommend applying our non-sticking coating (DC-407S, etc.) as top layer. If you use non-sticking coating made by other manufacturer, please check coating compatibility first. )*

##### 4. DRYING

Natural drying is most desirable.

In order to save time, it is also fine to blow warm air for drying.

Please don't heat coating layer by burner, for coating may peel off when receiving intense heat.

*After fully dried, preheat ladle before use. Water remaining in coating layer (not fully dried) can cause coating peeling-off.*

#### BRUSH OF OUR RECOMMENDATION



Cast Iron Ladle



Cast Iron Crucible



Manufacturer  
DIRECT SEN BOU CO.,LTD.

〒444-0704  
20-1 NISHIBASAMA, TOBA, NISHIO, AICHI, JAPAN  
<http://directsb.co.jp/>



Distributor :