



TECHNICAL DATA SHEET: **REFCOAT 05**

PRODUCT DESCRIPTION

REFCOAT 05 are a range of Refractory water based coatings for Al. extrusion plants, sand moulds and cores, used in all non ferrous foundry applications. The coating is recommended for launder coating and hot-top sealing during DC casting of Aluminium in Extrusion plants. This coating forms a non-wetting refractory layer that prevents sticking of molten Aluminium, as it flows in the launder, from the furnace to DC caster. Presently the following grades of **REFCOAT 05** are available in our range –

- **REFCOAT 05 A** – High solids coating is paste form.
- **REFCOAT 05 B** – Ready for use thixotropic coating.
- **REFCOAT 05 C** - Mastic powder, preferably mixed with REFCOAT 05 B.

Low cost diluted versions of the above products that are available on request are designated as REFCOAT L5 A, REFCOAT L5 B and REFCOAT L5 C respectively.

HOW TO USE

REFCOAT 05 B is supplied in ready to use form. However coating should be diluted with minimum amount of water for brushing/swabbing/spraying applications. **REFCOAT 05 C** is mixed with **REFCOAT 05 B** made as putty mass, and applied as sealant at the gap between the hot top and water cooled mould. Coated moulds are air-dried and subsequently torch dried. The coating is normally a thick paste and should be thoroughly mixed, for application to get uniform and consistent properties.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE		
	REFCOAT 05 A	REFCOAT 05 B	REFCOAT 05 C
PRODUCT NAME	REFCOAT 05 A	REFCOAT 05 B	REFCOAT 05 C
Appearance	Creamish White Paste	Creamish White Pasty Liquid	Light Brown Powder
Specific Gravity in bottle	1.85 -1.90	1.85 -1.95	-
Settling Rate/hr	Nil	Nil	-
Peel off	Nil	Nil	-
Shelf life	6 Months	6 Months	6 Months

PACKING DETAILS

REFCOAT 05 A and **REFCOAT 05 B** are supplied in 40kg/20kg Carboys and whereas **REFCOAT 05 C** is a powder supplied in 20kg HDPE bag containing 4 pouches of 5kg. each. The product should be stored in a cool and dry place.



MATERIAL SAFETY DATA SHEET: **REFCOAT 05**

1. **CHEMICAL IDENTITY**
 Chemical Name : Refractory Coating
 Chemical Classification : Water based emulsion
 Trade Name : REFCOAT 05 A, REFCOAT 05 B, REFCOAT 05 C,
 REFCOAT L5 A, REFCOAT L5 B, REFCOAT L5 C.
2. **PHYSICAL AND CHEMICAL DATA**
 Appearance : Creamish white paste and powder
 Physical state : Liquid & Powder
 Odor : Specific odour
3. **FIRE & EXPLOSION HAZARD DATA**
 Flammability : No
 Auto Ignition Temperature : No
 Corrosive Material : No
 Explosive Material : No
4. **REACTIVITY DATA**
 Chemical Stability : Stable
 Incompatibility with Other materials : Data not available
 Hazardous reaction product : None
5. **HEALTH HAZARD DATA**
 Route of Entry : Skin
 Effects of Exposure : Constant exposure and inhalation cause mild irritation to the nose, eye and skin. Wash the affected area with lot of water and consult a doctor.
6. **PREVENTIVE MEASURES**
 Personal protective equipment : Avoid direct contact with hands, use gloves wherever possible.
 Handling & Storage precautions : Keep in a cool and dry place.
7. **EMERGENCY & FIRST AID MEASURES**
 Fire : Use water / CO₂/ Foam Extinguisher.
 Spillage : Wash away the spilled material.
8. **HANDLING & DISPOSAL**
 Empty Containers / Bags : Empty carboys/bags may be sold as scrap. Empty containers/bags may retain residual quantities of the product. They are therefore hazardous if used directly for storing food stuffs or other materials meant for human and animal consumption
9. **MANUFACTURER / SUPPLIER DATA:**
 Name : Quality Technologies Private Limited
 Address : No.34, Rd. No.1, IDA Mallapur, Nacharam,
 Hyderabad – 500 076
 Telephone : 040 27153888, 27155828
 Fax : 040 27152567
 e-mail : info@qt ecindia.com
10. **DATE OF INFORMATION** : 01.01.2008.

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