

QUALITY TECHNOLOGIES PRIVATE LIMITED

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.

HOW TO USE

REFCOAT 05 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 20kg White Buckets and whereas **REFCOAT 05 C** is a powder supplied in 20kg HDPE bag. The product should be stored in a cool and dry place.

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MATERIAL SAFETY DATA SHEET: **REFCOAT 05**

1. PRODUCT IDENTIFICATION	
Trade Name & Use	: REFCOAT 05 A, REFCOAT 05 B, REFCOAT 05 C – Refractory Coating
Manufacturer / Supplier	: QUALITY TECHNOLOGIES PVT. LTD. No.34, Road No.1, IDA Mallapur, Nacharam P.O., Hyderabad – 500076. PH:040-27153888, 27155828 Fax: 040-27152567, email : info@qtecindia.com Website:www.qtecindia.com
2. INFORMATION ON COMPOSITION	: Refractory fillers, Gellants and Synthetic Binders
3. HAZARDS IDENTIFICATION	
Flammability	: No
Auto Ignition Temperature	: No
Corrosive Material	: No
Explosive Material	: No
4. FIRST AID :-	
At inhalation, ingestion and contact with skin	: Rinse with plenty of soap and water and if suspect symptoms persist
Eye Contact	seek Medical advice.
5. FIRE FIGHTING MEASURES	
Fire	: Not flammable.
6. ACCIDENTAL RELEASE MEASURES	: Spillage should be washed away with water.
7. HANDLING & STORAGE :-	
Handling & Storage precautions	: Keep in a cool and dry place.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION :-	
Route of Entry	: Skin
Effects of Exposure	: Constant exposure and inhalation may cause mild irritation to the nose, eye and skin. Wash the affected area with lot of water and consult a doctor.
Personal protective equipment	: Avoid direct contact with hands, use gloves wherever possible.
9. PHYSICAL AND CHEMICAL PROPERTIES :-	
Appearance	: Creamish white paste and powder
Physical state	: Liquid & Powder
Odor	: Specific odour
10. STABILITY AND REACTIVITY:-	
Chemical Stability	: Stable
Incompatibility with Other materials	: Data not available
11. TOXICOLOGICAL INFORMATION :-	
On product	: No data available
On Ingredients	: No data available.
12. ECOLOGICAL INFORMATION :-	
On product	: No data available
On Ingredients	: No data available
13. DISPOSAL CONSIDERATIONS :-	
Empty Buckets	: Never use empty buckets for storing food stuffs or other materials meant for human and animal consumption. Empty buckets may be sold as scrap or to HDPE recyclers approved by the State Pollution Control Boards.
14. TRANSPORT INFORMATION :-	: Non-dangerous product for transportation by road, sea, air.
15. REGULATORY INFORMATION :-	: No data available
16. OTHER INFORMATION :-	: No data available

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