

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: REFCOAT 02

PRODUCT DESCRIPTION

REFCOAT 02 are a range of Zircon spirit based refractory coatings for sand moulds and cores. These range of coatings are predominantly used in the manufacture of steel castings, where the pouring temperatures are above 1400°C. Presently the following grades of REFCOAT 02 are available in our range –

- REFCOAT 02 A – Standard grade for use in manufacture of steel castings with upto section thickness of 50mm.
- REFCOAT 02 B – High performance coating with higher percentage of zircon, for section thickness up to 100mm.
- REFCOAT 02 D – Premium coating with the highest zircon content and mainly used for heavy section critical castings, where high refractoriness is very important.

HOW TO USE

All grades of REFCOAT 02 are ready for use paints. However, if needed, they may be diluted with foundry solvent as per the prevailing foundry practice. Irrespective of the grade of REFCOAT 02 being used, care should be taken to ensure that the contents of the carboy are fully and thoroughly mixed before use. The mold or core has to be coated with this paint, lit off and subsequently torch dried. To obtain best results primary coated torch dried mold must be given a secondary coating, lit off and again torch dried for better insurance against surface defects.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE		
	REFCOAT 02 A	REFCOAT 02 B	REFCOAT 02 D
PRODUCT NAME	REFCOAT 02 A	REFCOAT 02 B	REFCOAT 02 D
Appearance	Creamish White liquid	Creamish Blue liquid	Creamish White liquid
Specific gravity	1.5–1.55	1.60–1.66	1.95–2.0
B4 cup viscosity	14–16sec.	18–20sec.	20–24sec.
Coverage	0.1gm/sqcm.	0.15 gm/sqcm.	0.15gm/sqcm.
Burning Time*	60–65sec.	65–70sec	55–60sec.
Settling rate/hr	2%	2%	1%
Shelf life	6 Months	6 Months	6 Months

* Burning time obtained from CO₂ mould of 300sqcm.

PACKING DETAILS

REFCOAT 02 is supplied in 20kg HDPE carboys. The product should be stored in a cool and dry place.

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MATERIAL SAFETY DATA SHEET: REFCOAT 02

1. PRODUCT IDENTIFICATION	
Trade Name & Use	: REFCOAT 02 A, REFCOAT 02 B, REFCOAT 02 D – 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 Solvents
3. HAZARDS IDENTIFICATION	
Flammability	: Yes
Auto Ignition Temperature	: 80°C
Corrosive Material	: No
Explosive Material	: Yes
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	: 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/blue pasty liquids
Physical state	: Liquid
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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