

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: REFCOAT 10

PRODUCT DESCRIPTION

REFCOAT 10 are a range of Chromite 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 REFCOAT10 are available in our range –

- **REFCOAT 10 A** – Standard grade for use in manufacture of steel castings with upto section thickness of 40mm.
- **REFCOAT 10 B** – Standard grade for use in manufacture of steel castings with upto section thickness of 80mm. Since REFCOAT 10 B contains Chromite, which is highly chilling in nature, therefore it is also used as a Chill coat.

HOW TO USE

All grades of **REFCOAT 10** 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 10** 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 10 A	REFCOAT 10 B
PRODUCT NAME	REFCOAT 10 A	REFCOAT 10 B
Appearance	Black liquid	Black liquid
Specific gravity	1.5–1.55	1.63–1.70
B4 cup viscosity	14–16sec.	23–25sec.
Coverage	0.1gm/sqcm.	0.15 gm/sqcm.
Burning Time*	60–65sec.	60–80sec
Settling rate/hr	2%	2–4%
Shelf life	6 Months	6 Months

* Burning time obtained from CO₂ mould of 300sqcm.

PACKING DETAILS

REFCOAT 10 is supplied in 20kg carboys. The product should be stored in a cool and dry place.

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MATERIAL SAFETY DATA SHEET: REFCOAT 10

1. PRODUCT IDENTIFICATION	
Trade Name & Use	: REFCOAT 10 A, REFCOAT 10 B – 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 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	: Black pasty liquid,
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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