

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: REFCOAT 06

PRODUCT DESCRIPTION

REFCOAT 06 are a range of Alumina 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 06 are available in our range –

- REFCOAT 06 A – Standard grade for use in manufacture of steel castings with upto section thickness of 50mm.
- REFCOAT 06 B – High performance coating with higher percentage of Alumina, for section thickness up to 80mm.

HOW TO USE

All grades of REFCOAT 06 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 06 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 06 A | REFCOAT 06 B |
| PRODUCT NAME | REFCOAT 06 A | REFCOAT 06 B |
| Appearance | Creamish White liquid | Creamish White liquid |
| Specific gravity | 1.5-1.55 | 1.60-1.66 |
| B4 cup viscosity | 14-16sec. | 18-20sec. |
| Coverage | 0.1gm/sqcm. | 0.15 gm/sqcm. |
| Burning Time* | 60-65sec. | 65-70sec |
| Settling rate/hr | 2% | 2% |
| Shelf life | 6 Months | 6 Months |

* Burning time obtained from CO₂ mould of 300sqcm.

PACKING DETAILS

REFCOAT 06 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 06

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| 1. PRODUCT IDENTIFICATION | |
| Trade Name & Use | : REFCOAT 06 A, REFCOAT 06 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 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 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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