

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: **REFCOAT 01**

PRODUCT DESCRIPTION

REFCOAT 01 A is a Zircon water based creamish white pasty liquid refractory coating for sand moulds and cores. This coating is mainly used for the manufacture of ferrous and non ferrous castings. REFCOAT 01 A contains high percentage of Zircon. It eliminates sand fusion and ensures a superior surface finish by developing a uniformly thick refractory layer between the sand mould and molten metal. Since these coatings are water based, they are suitable for no bake molds, cores and metallic dies.

HOW TO USE

REFCOAT 01 A is a highly thixotropic coating and is amenable for easy spreadability, in spite of its pasty nature. This is because of the shearing forces that comes into play during the brushing operation. However it may be diluted with sufficient quantity of water for easy swabbing/brushing/spraying applications. The mold or core has to be coated with this paint, air-dried and subsequently torch dried or oven dried. To obtain best results the primary coating should be air dried, torch dried and then a secondary coating may be applied, air-dried and again torch dried. By following this procedure we would be able to apply a thick coating and simultaneously eliminate peel off and blister formation.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE
Appearance	Creamish white pasty liquid
PROPERTIES OF PAINT AFTER MIXING WITH WATER	
Quantity of water	250 ml.
Quantity of paste	1 Kg.
Specific gravity	1.8 - 2.0
B4 cup viscosity	26 - 30 sec.
Peel off after torch drying	Nil
Shelf life	6 months

PACKING DETAILS

REFCOAT 01 is supplied in 20 kgs HDPE carboys and should be stored in a cool and dry place.

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MATERIAL SAFETY DATA SHEET: **REFCOAT 01**

1. PRODUCT IDENTIFICATION

Trade Name & Use : REFCOAT 01 A – 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 : Data not available
Other materials

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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