

# QUALITY TECHNOLOGIES PRIVATE LIMITED

## TECHNICAL DATA SHEET: REFCOAT 00

### PRODUCT DESCRIPTION

REFCOAT 00 are range of spirit based carriers used in all Ferrous and Non-Ferrous foundry applications. REFCOAT 00 A is a foundry solvent used in all spirit based refractory coatings. REFCOAT 00 B is used for coating the Furnace pouring Spouts, Sand lined Ladles, Downsprues and Ingates of sand moulds in Steel, Iron and Non-Ferrous foundries. This coating creates a hard erosion resistant layer, that in turn reduces sand inclusions and related defects that are caused during the flow of metal from furnace spout, through ladle, through pouring cup, down sprue and sprue base. This product also reduces friability and increases scratch hardness of mould / core surface.

### HOW TO USE

REFCOAT 00 is supplied in ready-to-use form. REFCOAT 00 A is used directly as per the requirement in spirit based refractory coatings. REFCOAT 00 B has to be mixed/stirred manually before use. The area to be coated may be brushed/swabbed or sprayed, depending upon the process, lit off and subsequently torch dried. Care should be taken during brushing/ swabbing to ensure that mould/ core surface is not excessively coated, since this leads to deep penetration of solvents into mould/ core surface, which may lead to loss of strength.

### INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
	REFCOAT 00(A)	REFCOAT 00(B)
Appearance	Colourless	Reddish Brown Liquid.
Specific gravity	0.78-0.8	0.90-0.95
B4 cup Viscosity	8-10 Secs	10 -15secs.
Coverage	-	0.04 gm./sqcm.
Burning time *	60-70secs	80-85sec.
Shelf life	12months	6 months

Burning time obtained from CO<sub>2</sub> mould of 169sqcm.

### PACKING DETAILS

REFCOAT 00 A is supplied in 170kg carboys, while REFCOAT 00 B is supplied in 25 kg carboys. The product should be stored in a cool and dry place.

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## MATERIAL SAFETY DATA SHEET: **REFCOAT 00**

<b>1. PRODUCT IDENTIFICATION</b>	
Trade Name & Use	: REFCOAT 00 A, REFCOAT 00 B
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 : <a href="mailto:info@qtecindia.com">info@qtecindia.com</a> Website:www.qtecindia.com
<b>2. INFORMATION ON COMPOSITION</b>	: Gellants and Solvents
<b>3. HAZARDS IDENTIFICATION</b>	
Flammability	: Yes
Auto Ignition Temperature	: 80°C
Flash Point	: 60°C
Corrosive Material	: No
Explosive Material	: Yes
<b>4. FIRST AID :-</b>	
At inhalation, ingestion and contact with skin	: Rinse with plenty of soap and water and if suspect symptoms persist
Eye Contact	seek Medical advice.
<b>5. FIRE FIGHTING MEASURES</b>	
Fire	: Flammable.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	: Spillage should be washed away with water.
<b>7. HANDLING &amp; STORAGE</b>	
Handling & Storage precautions	: Keep in a cool and dry place.
<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
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.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
Appearance	: REFCOAT 00(A) is Colourless Liquid ; REFCOAT 00(B) is Brownish Liquid
Physical state	: Liquid
Odour	: Specific odour
<b>10. STABILITY AND REACTIVITY</b>	
Chemical Stability	: Stable
Incompatibility with	: Strong oxidizers, strong mineral or organic acids, and strong bases
<b>11. TOXICOLOGICAL INFORMATION</b>	
On product	: No data available
On Ingredients	: No data available.
<b>12. ECOLOGICAL INFORMATION</b>	
On product	: No data available
On Ingredients	: No data available
<b>13. DISPOSAL CONSIDERATIONS</b>	
Empty Buckets	: Never use empty carboys 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.
<b>14. TRANSPORT INFORMATION</b>	: UN:1230   T.D.G.Class: 3(6.1)   Pkg. Group : II
<b>15. REGULATORY INFORMATION</b>	: Hazardous
<b>16. OTHER INFORMATION</b>	: Updated on 30.11.2012

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