



TECHNICAL DATA SHEET: **DIECOAT 07**

PRODUCT DESCRIPTION

DIECOAT 07 are a range of zircon based high refractory coatings for use on metallic moulds and other similar surfaces. The coating contains special grade of binders that permit ready bonding/adherence to the hot metal surface of the die. **DIECOAT 07** protect the base die/metallic surface from erosion and damage due to operation in high temperature environment. **DIECOAT 07 A** is formulated to withstand molten metal impingement for one time applications. **DIECOAT 07 B** is formulated to withstand prolonged radiation heat, without direct metal contact.

HOW TO USE

DIECOAT 07 is supplied as a thick pasty liquid. The coating is amenable for both brushing, swabbing and spraying applications. Depending upon the application method the coating has to be diluted with sufficient quantity of water and mixed thoroughly. **DIECOAT 07 A** is normally used in permanent mould casting/centrifugal casting and has to be applied after every pouring. Care should be taken to ensure that the die surface is thoroughly cleaned with a wire brush every time before a layer of coating is applied. **DIECOAT 07 B** is normally used as a protective coating for metallic surfaces that are subject to heat radiation. Since this coating is expected to protect the surface for extended periods, it is advisable to do proper surface finishing and cleaning before application of the primary coat. Care should be taken to ensure the coating is not too thick as it could otherwise lead to peel off. If required a second layer may be applied on the primary coat after pre heating the same.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
	DIECOAT 07 A	DIECOAT 07B
PRODUCT NAME	DIECOAT 07 A	DIECOAT 07B
Colour	Beige White	Beige White
Specific gravity	2+	2+
PROPERTIES OF PAINT AFTER MIXING WITH WATER		
Quantity of paint	500 Gms	500Gms
Quantity of water	250 ml	150 ml
Specific Gravity	1.6-1.65	1.8-1.85
B4 cup viscosity	22- 27secs	30-32secs
Peel off	Nil	Nil
Shelf Life	6 Months	6 Months

PACKING DETAILS

DIECOAT 07 is supplied in 20kg carboys. The product should be stored in a cool and dry place.



MATERIAL SAFETY DATA SHEET: **DIECOAT 07**

1. **CHEMICAL IDENTITY**
 Chemical Name : Protective refractory paint.
 Chemical Classification : Water based Emulsion.
 Trade Name : DIECOAT 07 A, DIECOAT 07 B.
2. **PHYSICAL AND CHEMICAL DATA**
 Appearance : Beige white colour.
 Physical state : Liquid
 Odor : Specific odour
3. **FIRE & EXPLOSION HAZARD DATA**
 Flammability : No
 Auto Ignition Temperature : No.
 Corrosive Material : No
 Explosive Material : No
4. **REACTIVITY DATA**
 Chemical Stability : Stable
 Incompatibility with
 Other materials : Data not available
 Hazardous reaction product : None
5. **HEALTH HAZARD DATA**
 Route of Entry : Skin
 Effects of Exposure : Constant exposure and inhalation cause mild irritation to the nose and eyes and skin. Wash the affected area with lot of water and consult a doctor.
6. **PREVENTIVE MEASURES**
 Personal protective equipment : Avoid direct contact with hands, use gloves wherever possible.
 Handling & Storage precautions : Keep in a cool and dry place.
7. **EMERGENCY & FIRST AID MEASURES**
 Fire : Use water.
 Spillage : Wash away the spilled material.
8. **HANDLING & DISPOSAL**
 Empty Containers : Empty containers may be sold as scrap. Empty containers may retain residual quantities of the product. They are therefore hazardous if used directly for storing food stuffs or other materials meant for human and animal consumption
9. **MANUFACTURER / SUPPLIER DATA**
 Name : Quality Technologies Private Limited
 Address : No.34, Rd. No.1, IDA Mallapur, Nacharam,
 Hyderabad – 500 076
 Telephone : 040 27153888, 27155828
 Fax : 040 27152567
 E-mail : info@qtecindia.com
10. **DATE OF INFORMATION** : 01.05.2008.

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