

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: **DIECOAT 05**

PRODUCT DESCRIPTION

DIECOAT 05 A is a special purpose conductive coating for use in gravity die casting applications. This coating is mainly a graphite water based coating having high refractoriness with excellent conducting characteristics. Because of non-wetting nature and high temperature lubricity of graphite, molten metal does not stick to the die and the solidified casting gets easily ejected. **DIECOAT 05 A** is specially formulated to satisfy environmental considerations in respect of emitted fumes, low toxicity and minimum fire hazard.

HOW TO USE

DIECOAT 05 A is normally available as a pasty liquid. The coating is suitable for both swabbing and spraying applications. Depending upon the type of application selected the coating has to be diluted with sufficient quantity of water mixed thoroughly and then swab/sprayed. The coating should be swabbed/sprayed on a hot die. In case of swabbing applications it is advisable to use a cotton swab instead of a paint brush since the latter is more prone to burning out and sticking on a hot die. Care should be taken to ensure that excessive coating is not deposited in pockets and deep corners on the die as this could lead to casting defects. Even though the coating is recommended for ingates, downsprues and risers, it is suitable for the casting cavity as well.

INDICATIVE SPECIFICATIONS

PROPERTY	Range
PRODUCT NAME	DIECOAT 05 A
Appearance	Black Colour Water Based Paint
Specific Gravity	1.4 to 1.6
Water Addition for Spraying Consistency	120 to 200 ml for 500Gms. of Paint
Sp. Gr. of Spraying Consistency	1.2 - 1.4
B4 Viscosity of Spraying Consistency	15 to 20 Sec.
Settling Rate of Spraying Consistency	< 5 ml after 1 Hr.

PACKING DETAILS

DIECOAT 05 is supplied in 30kg carboys. The product should be stored in a cool and dry place. Shelf Life of this product is 6 Months.

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MATERIAL SAFETY DATA SHEET: **DIECOAT 05**

1. PRODUCT IDENTIFICATION

Trade Name & Use : DIECOAT 05, – Waterbase Diecoat
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@qtechindia.com
Website: www.qtechindia.com

2. INFORMATION ON COMPOSITION

: Water base graphite paint

3. HAZARDS IDENTIFICATION

Flammability : No
Auto Ignition Temperature : None
Explosive Material : No

4. FIRST AID :-

At inhalation, ingestion and contact with skin : Rinse with plenty of water and if suspect symptoms persist seek
Eye Contact : Medical advice.

5. FIRE – FIGHTING MEASURES :-

Fire : Not Flammable

6. ACCIDENTAL RELEASE MEASURES :-

: Spillage should be swept away and washed away with water wherever
required.

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 may cause mild staning of 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 free flowing powder
Physical state : Liquid
Odour : Synthetic Odour

10. STABILITY AND REACTIVITY :-

Chemical Stability : Stable
Incompatibility with : No data available
Other materials
Hazardous reaction product : None

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 Carboys : Never use empty Carboys for storing food stuffs or other
materials meant for human and animal consumption. Empty Carboys 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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