



CERAFLUX

An ISO 9001 Certified Company

**"The Only Indian Company Manufacturing
Wide Range of Metallurgical Products "**

CRAFTCOTE - TE

(Tellurium water base chilling coat)

THE PRODUCT :-

CRAFTCOTE -TE is water based thixotropic coating containing metallic tellurium and other refractories as a filler base. It is used for getting desired localized chilling effect for grey cast iron castings. It is applied on sand mould or core surfaces.

PRODUCT FUNCTION :

For big casting metallic chills are used and can be easily placed in mould / core.

But in small and thin walled casting it is not possible to put metallic chills.

Here coating of CRAFTCOTE-TE act as a chill to provide fast cooling of metal.

Tellurium has strong chill tendency and are easy to promote white solidification. Tellurium belong to surface active elements, have low melting point, and are easy to deposit and to be enriched on the base face of graphite nuclei. They chemically react to form strong bond of graphite, forming strong firm film. This film inhibits carbon atoms to deposit on base face of graphite causing graphite to loss the effect as nuclei.

For certain applications, it is required to have localized chilling effect in grey cast iron casting for improving the hardness and wear resistance characteristics. This can be achieved by applying CRAFTCOTE - TE a tellurium base coating on mould or core surface which acts as a chill promoting media.

CRAFTCOTE -TE can also be used for directional solidification which avoids shrinkage defects. This function can eliminate use of metallic chills in complex mould or core areas. CRAFTCOTE - TE gives excellent effect up to the depth of 10mm.

APPLICATIONS :

- 1) CRAFTCOTE - TE is to be applied as it is by brushing or swabbing after uniform mixing. If required coating can be further diluted with water in case thinner coating consistency is needed.
- 2) Mould or core should be thoroughly dried before pouring the metal.
(Do not heavily touch the coating) .
- 3) Whenever double coating is required take care that the previous coat is thoroughly air dried.
- 4) For economical practice, give first coat of zircon base coating on the portion where CRAFTCOTE – TE is to be used.

PHYSICAL PROPERTIES :

Colour : Grey

Appearance : Paste

Sp. Gravity : 2.20 - 2.30

@(27±3)°C

PACKING : 1 kg plastic can.
2 kg plastic can

SHELF LIFE : 6 months from date of manufacturing in closed intact packing kept in cool and dry place.

NOTE:- Above information is true and accurate based on controlled laboratory testing. However user is responsible for determining suitability for application at their end. No guarantee is implied since the condition in actual use differs widely & beyond our control.

CERAFLUX INDIA PVT. LTD.

F-59, MIDC, Gokul Shirgon, Kolhapur - 416234, India.

Email : info@ceraflux.com
export@ceraflux.com

Website : www.ceraflux.com

Call : 91-231-2671008/2672175.

Fax : 91-231-2671091.

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