

DELHI DEVELOPMENT AUTHORITY
E.M.'S OFFICE

No. EM1(10)2007/Cir(Anti Corrosive Treatment)/DDA/3519 Dated: 26-9-07

Circular No. 608

Sub: Guidelines for Application/Product Specification of Inhibitor Solution used for Anti corrosive Treatment for Reinforcement.

In continuation of Circular No. 603 dt: 27.7.07 regarding Anti Corrosive Treatment for Reinforcement Bars the specification to be followed is given below:

1) PRODUCT SPECIFICATION:

The Manufacturer shall have valid license from CECRI, Kodaikanal, Tamilnadu.

Appearance: Clear Colourless liquid

pH : 13.00 \pm 1.00

Specific gravity: 1.04 \pm 0.01

2) SITE ARRANGEMENT REQUIRED :

- i) A drying platform is required for drying of treated bars.
- ii) Storage room for the chemical.
- iii) Miscellaneous items like bucket, brushes, cotton, waste, small weighing balance etc. are required at site.

3) APPLICATION

- 1) Remove loose rust/iron oxide remnants if any on the bar using iron brush.
- 2) Make slurry of cement by adding inhibitor solution to ordinary Portland Cement in the ratio of 0.6:1 or as specified by the manufacturer.
- 3) Apply first coat of slurry uniformly on surface of reinforcement iron & steel by brushing or dipping in shaded area.
- 4) Keep the coated bars for drying on the drying platform. Apply second coat of inhibitor after 12 to 24 hours interval and again dry the bars.

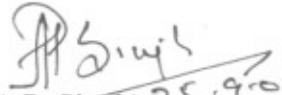
4. CAUTION :

If reinforcement bar is to be bent or given some specific shape this must be done before applying the inhibited slurry. If it is done after inhibitor application it would result breakage of film and poor protection. The treated bars must be handled and stacked carefully.

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First coat of cement slurry (1 Kg. cement and 600 cc of inhibitor) shall be applied on receipt of steel at site and second shall be applied on the reinforcement after cutting and bending of reinforcement but before placing in position.

This issues with the approval of E.M.


(A.P. Singh) 25.9.07

Chief Engineer (HQ)

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