



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
ARIYALUR
CIVIL DEPARTMENT MANUAL**



Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/CIVIL/004
Issued By: M.R		Approved By: HOD – CIVIL	
SOP FOR PAINTING			

White Wash

Item shall include providing and applying three coats of white wash as specified in item including all materials, labour, plant, tools, scaffolding etc. required to complete the job in all respects.

a) **Materials**

- i) *Lime*: Best approved quality of lime conforming to IS 712-1984 shall be slaked in conformity with IS 1635-1992.
- ii) *Brushes*: Shall be of approved make and quality conforming to IS 384.

b) **Surface Preparation**

The surface shall be thoroughly cleaned of all dirt, dust, mortar dropping, and other foreign matter, before white wash shall be applied. All unnecessary nails shall be removed.

c) **Preparation of White Wash**

The fat lime shall be slaked at site and shall be mixed and stirred with about five litres of water for 1 kg. of unslaked lime to make a thin cream. This shall be allowed to stand for a period of 24 hours and then shall be screened through a clean coarse cloth until the removal of fine grit/dirt. An adhesive like DDL manufactured by PIDILITE or equivalent shall be added in the lime cream as per the manufacturer's specifications. In addition, small quantity of ultramarine blue (up to 3 gm per kg of lime) shall be added to the last two coats of white wash solution and the whole solution shall be stirred thoroughly before use.

d) **Application of white wash**

White wash shall be applied with brush to the specified number of coats. The operation for each coat shall consist of a stroke of the brush given from the top downwards, another from the bottom upwards over the first stroke, and similarly one stroke horizontally from the right and another from the left before it dries. Each coat shall be allowed to dry before the next coat is applied.



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The white washing on ceiling should be done prior to that on walls.

Surfaces of doors, windows, floors etc., and such other parts of the building not to be white washed shall be protected from being splashed upon. Such surfaces shall be cleaned off white wash splashed, if any.

Colour Washing

The wash shall be prepared by adding required quantity of colouring pigment to the lime wash as prepared for white wash. No ultramarine blue shall be added in this case. Mineral colours not affected by lime only shall be added to white wash. No colour wash shall be done until a sample of colour wash prepared to the required tint or shade has been approved by Engineer-in-charge.

The surface to be colour washed shall be first treated with a priming coat of white wash. Minimum three coats of colour shall be applied and the colour shall be of even tint or shade over the whole surface.

The finished dry surface shall not be powdery and shall not come off on the hand when rubbed.