



PREVENTING PROBLEMS IN PLASTERING

UltraTech
C E M E N T

The Engineer's Choice

EFFLORESCENCE

It is the formation of whitish crystalline substance on the surface of the plaster/masonry surfaces.

CAUSE

- ✓ Due to the presence of salts in the building materials like bricks, sand, water etc.



Efflorescence

REMEDY

- ✓ Dry brush the affected surfaces as it appears, this will keep the efflorescence at bay to some extent. Do not wash with water as it may carry some of the salts back into the pores
- ✓ Provide bitumen or Damp Proof Course (DPC) in the walls above the ground level to prevent the rising of salt solutions through capillary action from sub-soil
- ✓ Apply a solution of one part of hydrochloric acid or sulphuric acid diluted with five parts of water on the surface with the scrubbing brush. Surface should be then thoroughly washed, cleaned and dried

BLISTERING

Blistering is the phenomenon of small patches of plaster swelling out beyond the plastered surface.

CAUSES

- ✓ Due to improper slaking of lime particles in the plaster
- ✓ High moisture content and excessive trowelling before setting of the plaster
- ✓ Exposure of the plaster surface to severe heat



Blistering

REMEDY

- ✓ Use properly slaked lime for plastering
- ✓ Avoid plastering in extreme temperatures (>40° C)
- ✓ Avoid excessive troweling while finishing the plaster

GRINNING

Grinning is the appearance of the patterns of mortar joints or similar patterns in the background on the surface of the plaster that are clearly visible through the plaster.

CAUSES

- ✓ Difference in suction between the masonry units and the mortar
- ✓ Raking out mortar joints



Grinning

PREVENTION

- ✓ Provide two coats of plaster on solid backgrounds
- ✓ Application of an undercoat or a spatter dash coat before plastering will help to avoid grinning

*** For details on shrinkage and map cracking please refer to our leaflet - "Tips to avoid cracks in plastering"**



**Call Toll free
1800-425-2525**

- To talk to our **Mobile Concrete Expert** *
- For **Technical /General assistance**
- For **RMC Bookings**

UltraTech Cement Limited

*Conditions apply. Services available in select cities/locations only

Central Marketing Office : Mumbai - UltraTech Cement Limited, A' Wing Ahura Centre, 1st Floor, Mahakali Caves Road, Near M.I.D.C. Office, Andheri (East), Mumbai - 400 093. Tel. (022) 66917360.

Zonal Offices : Bengaluru - "Industry House" 5th Floor, Fair Field Layout, 45, Race Course Road, Bengaluru - 560 001. Tel. (080) 22250748, 22250749. Chennai - 23, Anna Salai, Little Mount, (Above Swaraj Mazda Show Room), Saidapet, Chennai - 600 015. Tel. (040) 42328003, 42328018. Delhi - 12th Floor, Ambadeep Building, K.G.Marg, Connaught Place, New Delhi - 110 001. Tel. (011) 23315007-10. Kolkata - Constantia 7th Floor, 11, Dr. U. N. Brahamachari Street, Kolkata - 700 017. Tel. (033) 30214100, 30214400. Mumbai - A' Wing Ahura Centre, 1st Floor, Mahakali Caves Road, Near M.I.D.C. Office, Andheri (East), Mumbai - 400 093. Tel. (022) 66928400