



# **SNS COLLEGE OF TECHNOLOGY**

**Coimbatore-35  
An Autonomous Institution**

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



## **DEPARTMENT OF CIVIL ENGINEERING**

### **23GET102-BASIC CIVIL AND MECHANICAL ENGINEERING**

**I YEAR ISEM**

#### **UNIT 2 – BUILDING COMPONENTS**

**Topic 8 : Plastering And Types**





# What is Plastering?



- ❖ A fine paste of mortar made by mixing cement with sand or fat lime with sand or surkhi in addition to sufficient quantity of water is called plaster
- ❖ The art of covering the surface of masonry work with a suitable material is called plastering





# Types Plastering



- ❖ Cement Plastering
- ❖ Lime Plastering
- ❖ Mud Plastering
- ❖ Stucco Plastering
- ❖ Moughal Plastering





# Cement Plastering



- ❖ The mix ratio of mortar in case of cement plastering depends upon the nature of the work to be plastered
- ❖ For rich plastering work at sensitive places (e.g. in side bathrooms, W.C. etc.), 1:3 cement plaster mix is used. For general plastering of walls 1:5 to 1:8 cement plaster mixes are used





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# Lime Plastering



- ❖ The proportioning of the ingredients of a lime plaster is adopted according to the number of coats to be applied
- ❖ One coat, 1 part of lime to 1.5 parts of sand is used
- ❖ If two coats are to be applied, the proportion for the first coat is same as above while the second coat consists of two parts of lime and one part of sand





## QUESTION TIME



**In our class –Cement or Lime  
Plastering which one is used...??**





# Mud Plastering

- ❖ The wall surface is first prepared as described in case of cement plastering
- ❖ The mud plaster is then evenly dashed against the wall surface with a wooden float.
- ❖ After 24 hours, the surface is tamped
- ❖ The function of tamping is to compact the layer and to drive it deep into the joints
- ❖ It also helps to avoid developments of cracks due to hollows.





# Stucco Plastering



- ❖ This is special type of plaster
- ❖ Decorative type of plaster which provides an excellent finish like that with marble lining
- ❖ After preparing the surface, stucco plastering is applied in three coats
- ❖ Each coat should be permitted to dry thoroughly before applying the next coat





# Moughal Plastering



- ❖ Applied in two coats of lime mortar by mixing lime, sand and surkhi in the ratio of 4:3:1 along with glue and powdered gull nut
- ❖ The surface is well wetted and the second coat of about 1.25 mm thickness is applied when the first coat is hardened
- ❖ The finished plastered surface is kept wet for 3 weeks





## QUESTION TIME ... How can this be?

HOW IS THIS POSSIBLE?

$$29 - 1 = 30$$

To solve this, you'll need to imagine the number 29 in Roman digits. That way, it'll look like this: XXIX. Now you simply remove I and get XXX, which, in the Arabic system, means 30.

