

SECTION - 5

Q1

Ans A. Lime Bursting Problem:

i. A common defect of brick and tiles is a weakening or breaking of bricks / tiles, which is caused by the hydration of quick lime property derives from limestone in brick / tiles making clay.

⇒ Efflorescence:

1) This defect is caused because of alkalis present in bricks. When bricks come in contact with moisture, water is absorbed by them.

2) The process often continues for many years depending on the quantity of salt present in the bricks and solubility.

3. The less soluble salts (such as calcium sulphate) take much longer period to be leached out.

4 Magnesium salts are very soluble and are most destructive.

S: This can be achieved by providing waterproof coating and by using water repellent material in mortars and by providing damp proof course.

6. Efflorescence can be minimized by selecting proper clay material for bricks.