



Fat Lime Putty

Also known as Wet Lime, Non-Hydraulic Lime, Slaked Lime, High-Calcium Putty Lime

ONE MATERIAL FROM BASEMENT TO ROOF

Fat Lime Putty is a soft, elastic, breathable and ready-to-use binder for application in concretes, mortars, plasters, renders, top coats and paints, including the traditional polished lime finish called *arraish*. It sets only by exposure to CO₂ in the air through the process of carbonation.

CLASSIFICATION

Class C Lime as per IS 712-1973

PRODUCTION PROCESS

Fat Lime Putty is manufactured by engineers who burn uniformly graded limestone, sourced from nearby quarries of Naguar and Pali, in a pet coke fuelled kiln, followed by immediately slaking the resulting quicklime in distilled water and then leaving it to mature.

The resulting Fat Lime Putty is already 95% pure* at the time of packaging. Unwanted impurities are less than 2%. Further storage under water will only improve its purity.

COVERAGE

For reference, a 12-15mm thick plaster layer in lime and sand, 1sqft uses 4kg of mix containing 1.2kg of MLIME Fat Lime Putty, and 2kg sand.

LABORATORY TESTING

Prominent conservation engineers Mr. Pradeep Jain and Mr. S P Mathur conducted independent tests in Jaipur. They created two formulations of lime, sand, and Metakaolin- one with MLIME and one with their regular lime putty. The compressive strength at 28days was 55-60 kg/cm² for MLIME and 35-40 kg/cm² for the other formulation.

COLOUR

Pure White

PARTICLE SIZE

Sieved through 150mesh

COMPOSITION

Calcium Hydroxide

CONCENTRATION OF LIME

60 to 62% by weight

CHEMICAL CHARACTERISATION*

CaO 94.6%

SiO₂ 0.17% MgO 0.03%

Al₂O₃ 0.11% Fe₂O₃ 0.35%

*As per lab-tests conducted by Vellore Institute of Technology in May 2019

SHELF LIFE

Infinite when stored under water

PACKAGING

Available in 25kg vacuum sealed bags

MLIME is an enterprise that hopes to make the use of lime as a construction material cost-effective, easy, organised and scalable.