



GIBCO'S® LIQUID LIME®

PRODUCT DATA SHEET

Description

A non-toxic organic admixture that increases performance in cement applications.

Applications

- Masonry Mortar
- Fill Grout
- Plaster Cement

INCLUSIVE BUT NOT LIMITED TO THESE APPLICATIONS, CONSULT SALES REP BEFORE USING FOR UNSPECIFIED APPLICATIONS

Benefits

- Superior workability and plasticity
- Five litres replaces up to (45 bags 900 kg.) of Lime.
- Pump-ability
- Increases board life
- Reduces bleed water and material segregation
- Improves flexural bond strength
- Reduces Efflorescence
- Resistant to freeze-thaw damage

Performance Characteristics

GIBCO'S® LIQUID LIME® is a plasticizing admixture designed to replace lime, clays, and other additives in cement applications. Traditionally lime is used to increase mortar workability, but has side effects like efflorescence and decreased strength. Replacing lime with GIBCO'S® LIQUID LIME® creates mortar with superior workability, increased strength, durability and limited efflorescence. Additional benefits are added to the mortar through LIQUID LIMES® dispersing mechanics, leading to less bleed water, consistent color and water resistance.

Guidelines / Compliance

Mortar containing GIBCO'S® LIQUID LIME® shall adhere to the requirements of AS 1478.1 Portland cement used shall comply with AS 3972. Sand used shall be measured in damp loose conditions and comply with Table 3.2.3 of AS 4773.2 sand shall also be measured by volume in proportions to cement not by weight. GIBCO'S® LIQUID LIME® is a specialty admixture that replaces the lime proportions for mortar types listed in table 3.2 of AS 4773.2 Mortar Mixes.



Proportions by Volume (Cementitious Materials)

Mortar Type	Portland Cement	GIBCO'S® LIQUID LIME®
M2	20 kg	40 ml.
M3	20 kg	40 ml.

Mixing recommendations for mortar types are proportioned by the manufacturer in order to meet the property specifications of AS 1478.1 for Air-Entraining (AEA) and Special Purpose Normal Setting (SN) admixtures

Mixing Instructions

1. Add gauging water to your mixer roughly 3/4 of the total water content. Note: GIBCO'S® LIQUID LIME® reduces the total water needed, so be cautious not to over water.
 2. Add 40 ml. of GIBCO'S® LIQUID LIME® per 20kg bag of cement to mixing water for dispersion
 3. Add Cement and sand to mixer
 4. Add additional water as needed and allow to mix for 5 minutes after all components are mixing.
 5. If mixed in smaller batches with a drill paddle mixer, mix only for a period of 30-45 seconds
- If using GIBCO'S® LIQUID LIME® as a plasticizer only, or if your mix contains lime, reduce dosage to 20 ml per bag of cement.

***Excessive mixing of product can cause aeration problems. It is not recommended to use high speed hand held mixers with GIBCO'S® LIQUID LIME®.

Product Notes

Compatibility

GIBCO Products International, Inc. neither recommends or condemns the addition of other admixtures. Precaution should be taken at the discretion of the applicator.

*If using GIBCO'S® LIQUID LIME® with pre-mixed mortars that contain lime, reduce the admixture dosing rate in half.



Storage and Handling

Packaging

GIBCO'S® LIQUID LIME® admixture is supplied in 250 ml. sample size, 1 litre, 5 litre and 3 x 5 litre Boxes.

Storage

GIBCO'S® LIQUID LIME® should be stored above (2 °C). Although freezing does not harm this product, precautions should be taken to prevent freezing. If GIBCO'S® LIQUID LIME® freezes, thaw completely and agitate by mechanical mixing. Refrain from agitating by pressurized air. GIBCO'S® LIQUID LIME® has a minimum shelf life of 12 months. Depending on storage conditions, the shelf life may exceed 18 months. Contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life has been exceeded.

NOTE: for handling precautions and preventions reference this products MSDS

Legal Disclaimer

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