



GIBCO'S PRF® LIQUID LIME®

PRODUCT DATA SHEET

Description

GIBCO'S PRF® is a non-toxic admixture that increases the performance of Portland Cement.

Applications

- Stucco
- EIFS
- Guniting
- Shotcrete
- Decorative relief

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

BENEFITS

- Superior Workability
- Resistance to freeze-thaw damage
- Minimizes shrinkage and sagging
- One gallon replaces up to 2,000 lbs. of lime
- Pump-ability
- Minimal bleed water and material segregation
- Reduces Efflorescence
- Greater PSI

PERFORMANCE CHARACTERISTICS

GIBCO'S PRF® is a plasticizing admixture designed to replace lime, clays, and other additives in Portland Cement applications. GIBCO'S® PRF® creates high strength low shrinkage cement plaster with optimal workability. Its Cohesive mix design decreases sag and creates water tight barriers. By removing lime from the plaster PRF® is able to significantly reduce efflorescence and produce color consistency batch after batch.

GUIDELINES / COMPLIANCE

Cement Plaster containing GIBCO'S® PRF® shall be applied using ASTM C926 practices. Portland Cement used shall comply with ASTM C150, and sand shall comply with ASTM C897. GIBCO'S® PRF® is a specialty admixture that replaces the lime proportions for Plaster types C and CL in table 2 of ASTM C926, and plaster types F and FL in table 3 of ASTM C926

Mix design and Specification

Proportions by Volume (Cementitious Materials) AS PER ASTM C926

Wall & Ceiling Coats	Portland Cement	GIBCO'S® P.R.F.®	Aggregate Ratio (measured in damp, loose conditions)
1st (scratch)	1(94 lbs.)	3 oz.	4x vol. of cement
2nd (brown)	1(94 lbs.)	3 oz.	5x vol. of cement
3rd (finish)	1(94 lbs.)	3 oz.	3x vol. of cement

Mixing recommendations for cement plaster coats are proportioned by the manufacturer in order to meet table 2 and table 3 specifications of ASTM C926.

MIXING INSTRUCTIONS

Note: GIBCO'S® PRF® reduces the total water needed to achieve desired consistency; be cautious not to over water. Add additional water after cement and sand proportions for desired consistency.

- (1) Add 2/3 of the your batching water to the mixer
- (2) Add GIBCO'S® PRF® to the mixing water
- (2) Add sand
- (3) Add cementitious material, and
- (4) The balance of the mixing water required to produce desired consistency.
- (5) Mix all members for 5 to 7 minutes

PRODUCT NOTES

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® PRF® with pre-mixed mortars that contain lime, reduce the admixture dosing rate in half.

STORAGE AND HANDLING

Packaging

GIBCO'S® PRF® admixture is supplied in 1 gallon jugs (3.79 L), 55 gal (208 L) drums, 275 gal (1040 L) totes.

Storage

GIBCO'S® PRF® should be stored at 35 °F (2 °C) or higher. Although freezing does not harm this product, precautions should be taken to prevent freezing. If GIBCO'S® PRF® freezes, thaw completely and agitate by mechanical mixing. Refrain from agitating by pressurized air.

GIBCO'S PRF® admixture 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

Gibco Products International, Inc. warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. GIBCO PRODUCTS INTERNATIONAL MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of Gibco Products International. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. GIBCO PRODUCTS INTERNATIONAL WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on Gibco Products International's present knowledge and experience. However, Gibco Products International assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third-party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. Gibco Products International reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.