

FILE NAME: Quigley (QUIG)

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DOCUMENT DESCRIPTION: Industry Warning Information

HOW TO USE INSULAG

(Reg. U. S. Pat. Off.)
Patented

A Plastic Refractory Insulator and Sealer for Lining Interior and Exterior Surfaces of High Temperature Equipment.

INSULAG when mixed with water BLOATS. In order to secure maximum insulating efficiency BLOATING MUST TAKE PLACE AFTER APPLICATION—NOT IN THE MORTAR BOX.

Open bag and pour only quantity of INSULAG into a clean mortar box that can be mixed and applied within twenty minutes.

Add sufficient water to INSULAG to make a smooth easy-working mixture. Use clean, fresh water at 60-65°F. An average mixture takes about ten and one-half (10½) gallons of water to a one hundred pound bag. More or less water may be used for various types of work.

Mix the batch thoroughly and quickly with a hoe or shovel, turning the mixture over to be sure all of the INSULAG is saturated with water. Apply INSULAG promptly after mixing so that the BLOATING TAKES PLACE ON THE WORK INSTEAD OF IN THE MORTAR BOX. Make a fresh batch for each application. Mix only quantity required. Close bag tightly to keep the unused material in good dry condition.

Best results are secured by hand application by throwing the INSULAG against the surface. Then smear to a uniform thickness. Allow bloating action to take place and material to set. Then apply finish coat by trowel. Smooth hard finish is obtained by use of wet troweling.

Where more than 1" thickness of INSULAG is to be used, apply 1" and after thoroughly expanded and set, cover with 1" mesh #19 gauge wire netting, or with other suitable metal lath, securely fastened, and proceed with further application of INSULAG in similar manner.

Where large volumes are to be applied at one time heavier gauge metal lath or wire netting will be required.

All surfaces which are to be covered with INSULAG should be dry and clean—free of dust, loose scale, rust, paint and grease. When surface is painted with asphalt products, same should be entirely removed before application.

For hot surface application, a small quantity of INSULAG should be diluted into a thick paint consistency and painted on the entire surface, which will rapidly dry. Then spot-coat with regular mix INSULAG, allow the spot-coats to set up, and then fill in with INSULAG. For

additional thickness, use reinforcing as described above.

Where INSULAG is applied over porous surfaces, this surface should be painted with sufficient INSULAG to seal absorption of the porous material. Then 1" mesh #19 gauge wire netting should be applied and securely fastened and further INSULAG of regular mix applied.

Large flat areas are quickly and efficiently lagged by the use of the Quigley Refractory Gun, which applies INSULAG much more rapidly than is possible by hand.

When two or more coats of INSULAG are to be used, the roughing coat should be allowed to stay rough—not troweled—to provide a bond for the succeeding coats. The finish coat should be applied after the roughing coat has set, but is still damp. A smooth troweled surface can be secured by retroweling the surface of the INSULAG with a moistened trowel or float just before it is thoroughly dry; or by applying another thin coat over the surface of the expanded or bloated INSULAG and troweling this thin coat. This will insure full expanded value of the application.

INSULAG will set up hard in from 2 to 24 hours, depending upon temperature and atmospheric conditions.

For the large valves and intricate shapes, INSULAG may be hand molded to the equipment, or may be precast in knock-down forms (greased inside). The precast form may be fastened in place with light-gauge metal bands or fabric wrappings.

INSULAG, when set, will not dissolve or collapse from contact with water; is resistant to vapors of steam, acid or alkaline solutions. Should it become wet, heat will restore its original insulating value.

Where INSULAG will be exposed to the elements, to keep it from absorbing moisture, weather-proofing with Quigley TRIPLE-A Protective Coatings is recommended. The equipment should be placed in service, in order to thoroughly dry the INSULAG, prior to the application of the TRIPLE-A Products.

The above instructions cover general applications. However, for large surfaces or special applications, or when it is desired to use INSULAG alone or in combination with other materials to form panel construction, recommendations will be furnished upon request.

QUIGLEY COMPANY INC.

Manufacturers of Refractory Specialties and Paints

527 Fifth Avenue, New York 17, N. Y.

Distributors with Stocks and Service in Every Industrial Center

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