

number of asbestos building materials at the station and the result may well be that the use of such products will be greatly stimulated. These tests will provide authentic information as to the fire-resisting properties of each material examined, and it may be expected that asbestos products will have no fear of comparison with other materials.

United States Gypsum Company

Acquires Properties of
National Asbestos Mfg. Company

The United States Gypsum Company of Chicago, Ill., announces that it has acquired the properties of the National Asbestos Manufacturing Company at Jersey City, N. J.

The properties will be operated as The National Asbestos Manufacturing Division of the United States Gypsum Company. The complete line of Asbestos Products manufactured by National Asbestos Manufacturing Company has earned a favorable reputation for quality--to that quality will now be added the technical research and laboratory control in effect at other plants owned by the United States Gypsum Company.

Correspondence concerning the products of the National Asbestos Manufacturing Division may be addressed to any U. S. Gypsum office or to the Jersey City Office as in the past.

Air Hygiene Foundation of America, Inc., have recently published Information Circular No. 1--Purposes and Regulations of Air Hygiene Foundation of America, Inc.

A copy of this can be obtained by addressing the Foundation at its headquarters at Thackeray Ave. & O'Hara St., Pittsburgh, Pa.

WANTED

Machines to corrugate asbestos paper and machines to wind wool felt covering. Any model. Write full details, price, etc. Address Box No. 30-N, "ARKENTON," 18th St., Inquirer Bldg., Phila., Pa.

Asbestos and Silica Combinations in Building

By R. L. FINE

Solutions of silica play an important part in the assembling of materials intended for construction work. A number of these materials are, naturally, made up of some form of asbestos. Because of the speed element so essential in the modern scheme of things, alkaline silicates are freely used in composing ready to use materials, a few of which are herewith described.

Wall board finds ready use in both residential and industrial buildings. One such wallboard consists of multiple layers of corrugated asbestos paper between flat sheets with wire mesh and a net of cords, adhesively attached to the surface as an anchorage for plaster, the asbestos paper being stuck together with silicate. Another form comprises asbestos paper attached to balsa wood with silicate used as the attaching agent, the advantages being obvious.

As asbestos engineers are aware, silicate adhesives, because of their mineral character and resistance to high temperatures, are extensively used in connection with asbestos where viscosity control to precisely regulate the depth of penetration into a porous material is essential, asbestos air cell pipe covering being a prime example of this method. By saturating with a thin silicate solution, stiff, fireproof boards may be made from porous asbestos paper, the solution being thin enough to penetrate.

Cements based on silicate of soda in the compounds are numerous, most of them being well known. In a paper covering this subject recently James O. Vail (of the Philadelphia Quartz Company) revealed a new type of silicate cement popular in foreign countries and based on one of LeFebures's patents. A heavy plastic mass of concentrated silicate and powdered mineral matter is composed in such form that it may be worked on a roll mill. Attractive marbled effects are attainable by massing many colors and incorporating them in the compound. The

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