

INSULATION TRAINING MANUAL

Very often a finish material must be fairly tough and rugged. If it be a mastic or a coating, then a reinforcing fabric or mesh must be embedded in it to strengthen it if such assistance is indicated. As in the selection of a suitable basic material, the environment in which the finish must survive will determine the selection of the optimum materials for the finish.

The process, the process temperature, the job location, indoor or outdoor, the exposure to abuse, to acids and other abnormal conditions and the area requirements must all be considered in the selection of the finish or a combination of finishes and those best meeting the requirements shall be selected.

To do work efficiently and effectively and obtain a uniformity of application and of a satisfactory quality, throughout the plant, we must have specific methods and standard specifications for doing the work.

Man's skill and his efficiency in doing any task depends upon his willingness and interest in doing the job, the quality of the material he has to do it with, a good knowledge of what to do and why it must be done, and in using a proper method to perform the task. These all contribute to his ability but a man's skill is measured by the efficiency of his performance, by what he accomplished and how, the way he plans his work, the elimination of lost motion and by making every action a progressive action. What tools a man has, how he cares for them, how well he makes use of them are indicative of a mechanic's ability. His evaluation as a desirable employee is based considerably upon how clean he maintains his work area and how well he respects his privilege of working safely.

The quality of the materials that are available to us and their ability to perform satisfactorily within the scope of their limitations has been proven. They are the best materials obtainable. Thousands of dollars are spent each year to evaluate insulation materials and auxiliaries, by both laboratory and field testing, to assure that they do meet the required specification and periodic tests are made to check upon their continuity of quality.

The application of these materials, especially the quality of the application is only as good as the "know how", the ability and the desire of the mechanic doing the work. To have a good knowledge of his work, do it well, do it cheerfully, economically and safely are attributes of a dependable and desirable employee.

On the following pages of this manual will be found the essential information that will enable you to acquire sufficient knowledge necessary for you to do your work efficiently and effectively.

This manual will not give you this information, but if you have the desire to know and will exert the effort to study and digest