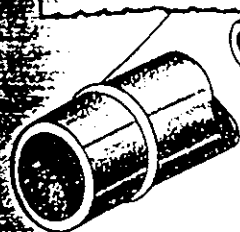


WE HAVE BEEN ASKED:

What's the best way to
minimize heat loss
in a viscous fluid line?



We recently received a letter which posed this problem:—"How should we insulate a 3" outdoor pipe line which carries asphalt approximately one thousand feet from a storage tank to the processing operation? The asphalt leaves the heated tank in a fluid state at 450° F. and must be kept above 435° F. to insure proper flow."

With this great length of pipe, insulation alone cannot be expected to hold the temperature above the 435° minimum. Should occasional shutdowns occur, no practical amount of insulation will prevent the asphalt from solidifying in the line, particularly in cold weather. Some method of applying heat to the pipe such as charging it with low voltage electricity or using a steam tracer line is recommended. This will keep the pipe warm enough to maintain proper temperature and keep the asphalt fluid, regardless of interruptions in the flow. The line should then be insulated with Double Standard 85% Magnesia according to standard specifications.

The pipe covering is applied in two layers. The first being securely wired in place. The second layer is

wired on over the first, with joints staggered to prevent heat loss. Joints are then filled in and smoothed with cement. Finally, weatherproofing jackets are applied over the outer layer of insulation and secured with copper clad wire loops.

85% Magnesia is ideally suited to this and a variety of other jobs for temperatures up to 600° F. It has proved its outstanding insulation efficiency and durability through years of trouble-free service. It offers great mechanical strength, will give top performance even under severe conditions. Yet it is lightweight, easy to apply, and completely fireproof.

Next time you're up against any insulation problem, contact your near-by Armstrong office. The technical advice of an Armstrong engineer is always available to you with no obligation. The Armstrong organization can take over the entire job for you—furnish the correct materials for your particular job and the skilled workmen to apply them properly. Our complete insulation service can save you time, trouble, and money—and you'll be sure of having a thoroughly professional job!



SEND US YOUR QUESTIONS. If you have any question on insulating materials or their use in high-temperature installations, please write us. We'll see that you get a prompt, practical answer. Just address your letter or post card to Armstrong Cork Company, 7005 Maple Avenue, Lancaster, Pennsylvania.

ARMSTRONG'S INDUSTRIAL INSULATIONS

MATERIALS - INSTALLATION

FOR ALL TEMPERATURES FROM 300° F. BELOW ZERO TO 2800° F.

