

REACHING FURTHER for energy savings takes on new meaning from the viewpoint of the man up the stack at the powerhouse. Insulating the stacks is part of the work required to install economizers on the steam boilers. This project will save an estimated 250,000 gallons of fuel per year, according to the project engineer, Jack Harron.

This is a "hot" job in several ways. It is necessary to complete the job as soon as possible, and energy conservation continues to be a major concern for both the plant and the Company. ". . . and the stack is hot, the sun is hot, and it's hot work getting up here," says the workman. "A hundred feet is a long to go when it's all straight up."

DUPONT PRODUCTS MEET SOLAR NEEDS

Many DuPont products are making solar energy a more practical alternative for heating water and temperature conditioning living spaces. Among the company products which shine in the solar marketplace are:

- Tedlar PVF film which serves as an outer glazing on solar collectors. "Tedlar" is a tough, lightweight film which can withstand extreme weather conditions and rough handling during installation and use. It is capable of transmitting about 90% of the energy which strikes its surface.

- "Du-Lite" finish works as a solar selective coating on flat plate collectors. Du-Lite promotes absorption of solar radiation and retention of thermal energy.

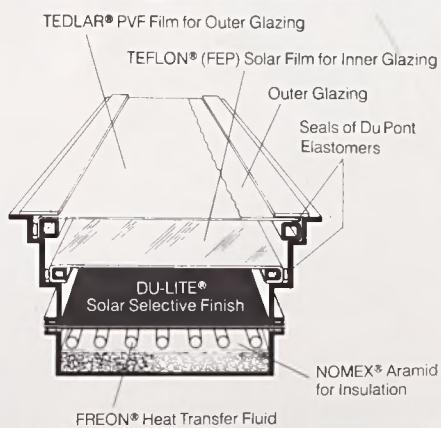
- "Teflon" (FEP) solar film is used as an inner glazing for flat plate collectors. Teflon creates dead air space between outer glazing and absorbers, improving efficiency of solar collectors. Due to its heat resistance, Teflon can withstand the high temperatures generated in such dead air space areas. Like other DuPont solar products, Teflon is lightweight and holds up under extreme weather conditions. It transmits 96% of the solar energy which reaches its surface.

- "Nomex" aramid felt, fabric or paper products insulate the absorber plates, reducing heat loss from the collector by as much as 10%.

- A variety of DuPont elastomer products are ideal for use as adhesives, seals and grommets.

- A key material in solar energy collection devices is the heat transfer medium which carries the captured energy to storage or into a building's utility systems. DuPont "Freon" heat transfer fluid is ideal for this service.

Du Pont Products on a Typical Solar Collector



Scaffolding gives a boiler stack the look of oriental architecture as Covil Construction workers apply a shiny overcoat of insulation, necessary to keep corrosive condensates from forming inside the stacks.

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