



"Milk Union" LLP, Republic of Kazakhstan

Comment on using Isollat material for heat insulation

Ice water pipelines insulation in the whole-milk shop of "Molochny Soyuz" LLP was carried out in October 2010. Heat-insulating layer was made in the following order:

- degreasing of pipelines (white spirit)
- application of "Isollat" paint - (2 coats)
- pipes insulation (with heat insulating material)
- application of "Isollat" paint - (2 coats)
- surface treatment with special varnish

Upon completion of works on application of heat-insulating layer, the ice water pipeline was put into operation.

During the period from October to February 2011, it was noted that the insulating layer performs its functions and there is no condensation on the surface. Ice water temperature does not change in the room with air temperature (+ 22C). Also, the surface layer can be easily processed with detergents. The only deviation is by color, i.e., original white color changed to slightly yellow color.

Initially, we used a heat insulating layer formed in the following order:

- asbestos cord
- pipes insulation with cloth - impregnation with varnish - painting with oil paint

There was always condensation on the surface layer, i.e. the pipeline was constantly wet, for this reason, it was easily damaged, and also there were losses in the temperature ranges of ice water (water temperature increased by 2C).

"Isollat" material allows working with ice water more efficiently.