

**of JSC "VK and EH", Nizhnekamsk**

**REPORT  
on using liquid ceramic thermal insulation coating**

On February 9, 2010, in Central Heating Station-26 of JSC VK and EH, Isollat liquid ceramic coating was tested. The coating was applied to the surface of the two valves. The experimental results are shown in the table.

<b>Valve No.1</b>	Temperature
Measuring on a bare surface	110°C
After applying two layers 2.0 mm thick with an intermediate layer of glass cloth	43-45°

<b>Valve No.2</b>	Temperature
Measuring on a bare surface	110°C
After applying three layers 3.0 mm thick without glass cloth	55-60°

Temperature was measured with TK-5.03 contact thermometer. Thus, after application of two layers with total thickness of 2.0 mm with an intermediate layer of glass cloth, we obtained lowering the temperature by more than 65°C; without using glass cloth, the temperature was reduced by 50°C.

As a result of practical testing properties of thermal insulation material, we have made a conclusion about high efficiency of this thermal insulation; we recommend to use the material for valves, pumps and other process equipment coating (to reduce heat loss and surface temperature)