

Nizhnekamsk CHP

REPORT

on using liquid ceramic thermal insulation coating

In May, 2008, in boiler-and-turbine shop No. 2 of branch of JSC Generation Company, Nizhnekamsk CHP, liquid ceramic coating was tested on the vented steam pipe of HP flush box 6, LP flush box 6 row B axis 39 with diameter of 320 mm. The test result are shown in table below.

	Temperature
Measuring on the surface	111°
After priming and applying the first layer	98°
After applying the second layer	90°
After applying the third layer	71°
After applying the fourth layer	70°
After applying the fifth layer	64°

Temperature was measured with TK-5.03 contact thermometer.

Thus, after applying the coating in three layers with total thickness of 1.5 mm, the temperature reduced by 40°C.

As a result of practical testing properties of the thermal insulation material, we have made a conclusion about high efficiency of the thermal insulation applied; we recommend to use the material in areas related to heat and energy saving.