

Ref. No. 14-06/ Date 21.06.2010

FINDINGS
on the Results of Testing Liquid Ceramic Material Korund As an Insulating Coating

Tests were carried out in April 2010 at the existing facility – at fuel oil tank, plant # 2, for reduction of heat losses and for energy saving purposes.

According to the technology, 2 mm thick coating of liquid heat-insulating material Korund was applied layer by layer on the surface of fuel oil tank. Fuel oil temperature was 75°C; after Korund was laid on the non-insulated surface of the tank, the outer surface temperature was about 45°C. Based on the above, it can be concluded that:

1. Tests of heat-insulating Korund should be considered successful.
2. Test results suggest that this material can be efficiently used as a heat insulator .
3. Due to simple and fast application, the material has significant advantages over conventional heat-insulating materials, thus reducing labor input and eliminating construction waste that accumulates when conventional insulating materials are applied.
4. The insulated surfaces have an aesthetic appearance.

Volzhsky CHP-2 intends to further use liquid heat-insulating material Korund at its facilities because the material is economical, efficient, aesthetic and long-lasting.

Technical Director

signature O.I. Balandin

Executed by O.V. Kheilik
(8443) 53-93-98