

ALPHA CZECH s.r.o.
Pražákova 1008/69
639 00 Brno

Reference sheet

We hereby confirm that we have applied THRcoating ALPHA TEMPER and ALPHA ANTICONDENS reflective insulating coatings to steam and chilled water pipes. The coatings are a replacement for conventional insulation. The coatings have been applied at the Temelín Nuclear Power Plant, 375 01 Temelín.

ALPHA TEMPER coating with a thickness of 3-4 mm was applied to the steam pipes where the temperature ranges from +140 °C to +270 °C.

ALPHA ANTICONDENS coating was applied to the chilled water pipes, where the total thickness of the coating is approximately 6-7 mm. Chilled water at +6 °C flows through the pipe and the temperature ambient temperature is approx. +23 °C. In the past, the different temperatures caused condensation to form on the pipe and therefore faster degradation of the pipe material (carbon steel) due to corrosion. No condensate forms on ALPHA ANTICONDENS and the temperature of the pipe surface is approx. 15 °C.

The coatings meet all declared properties and are eligible for use in the non-nuclear part of Temelín NPP.

Yours sincerely

Ing. Jiří Tyc
Director of Temelín Division
ČEZ ENERGOSERVIS spol. s r.o.

Ing. Jiří
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28.6.2023
NPP Temelín