

## TEMLIN NUCLEAR POWER PLANT – CZECH REPUBLIC

Between 1996 and 1998, **ZINGA** was applied on the outside steel structures of the reactor hall of the **Temelin Nuclear Power Plant** in the Czech Republic.



These Zingaised elements are covers for the rope endings. The nuclear reactor has a special roof above that consists of a very special steel-concrete construction with a net frame. This net frame is created by ropes of 10 cm in diameter, those are fixed to the side walls. These ropes are very critical for the safety. They had to be well protected and regularly inspected. The aim of this construction is to prevent a leakage of radioactivity in case of an accident.

System:

ZINGA 2 x 60 µm DFT



The minimum **ZINGA** layer thickness measured after the application was 160 µm DFT.

In January 2003 an inspection was carried out by Mr. Stavar from the company **GRANE**.

The minimum layer thickness measured was 150 µm DFT.



*After application  
in 1998*



A second application with **ZINGA** started on 1st July 2018 and was finished on 31st October 2018.  
The ZINGA consumption was approx. 1.100 kg.

### Cleaning:

Internal parts of the housings by WAP - hot steam and high pressure due to the presence of grease.

Outer casing: water-based degreaser and conventional WAP (not steam).

Outer part of the covers : **ZINGA** with approx 160 – 190 µm DFT.

Inner parts of the covers: **ZINGA** with approx. 80 - 100 µm DFT.

