

## **THE ISOTROL SYSTEM PAINTS' EXPERIENCES AT THE PAROLA ARMOUR MUSEUM IN FINLAND**

At the Parola Armour Museum in Finland we have been applied some 15 years ago for the first time Introteknik's products Isotrol products (Primer and Pansar) to paint the inner surfaces of several armoured vehicles, like WW II period German made assault guns, to prevent rust and corrosive attack. Those vehicles were used by the Finnish military until mid 1960s and then those were preserved in the museum. The old coating was removed properly before repainting them by Isotrol products. The surface itself consists of huge amount of welded seams and rivet joints which are always slightly challenging. One of the best features of Isotrol was its good wetting ability. It suites well for sprayed painting also in cramped premises like in a crew compartment of a tank due to a fact that the paint doesn't spill or leak but fastens properly on the dry steel surface.

According our experiences another very good feature is Isotrol's penetration ability even into the hardened special armour-steel. The surfaces of old vehicles were coated twice and are still after 15 years they in excellent condition. The painting process was conducted, consistent with the adequate painting instructions, during the Finnish summer temperatures and in dry conditions in order to guarantee the best possible outcome when it comes to a durability outdoors at all weather circumstances.

It has been applied also into the Russian made military equipment having some crevices and rivet joints on the top metal exterior. Isotrol paint is able to absorb also into this kind of material very well. The bond strength of Isotrol paints has turned out to be outstanding. In highly corrosive environment, like our outdoor museum area, top resistant and long-lasting coating, like Isotrol Pansar, is very much appreciated. It is also a question of costs for any user possessing several potential targets to be painted on regular basis.

The storage of the paint is always challenging for us. We rather acquire the paint in small paint pots of e.g. 5-20 liters each due to tiny storage capabilities and also time and man power available for painting are crucial.

In near future we will launch a painting operation of an old armoured train of ours and its railroad cars. Due to a fact that a sand blasting is a costly project, we are planning to use high-pressure water cleaning process as a most suitable method to do the first phase of cleaning. We have realized that Isotrol products, even if the surface is still a little bit rusty, can be applied to stop and prevent the further corrosive attack inside and outside of train. In this very train project we are convinced that two products of Isotrol, Primer and Pansar/Armor, make sure that the final outcome is long lasting and firm. The Isotrol systems paints seem to be also environmentally safe products according to the informative label or specification.