

WHY USING RESIN TECHNOLOGY IN RAILWAY APPLICATIONS?

RESIN TECHNOLOGY IN TRANSFORMERS IS WIDELY USED IN THE SPANISH RAILWAY INDUSTRY (E.G. ADIF PRESCRIBES IT IN POWER AND SIGNALING INSTALLATIONS) BECAUSE OF ITS MANY BENEFITS.



tion (reducing in this way the heating of the windings), lengthening the lifespan of the insulation materials, and hence of the transformer.

Additionally, the compact block created by the resin protects the windings against humid and corrosive atmospheres, and against the mechanical stress caused by the constant vibrations existent in facilities nearby rail tracks.

Regarding workers' safety, this technology offers protection against accidental direct contacts since the active elements of the windings are not accessible ■

In high voltage applications, this technology reduces the risk of insulation faults as it represents a reinforced insulation in the windings of the transformer. That is not only because the resin has insulation properties but also due to the impossibility

of electric arcs resulting from the existence of dust sediments and/or air condensation.

Another property of the resin is its higher thermal conductivity (with respect to the air). This increases the heat dissipa-

MORE INFORMATION

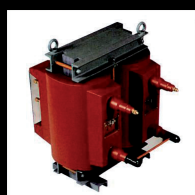
POLYLUX, S.L.

Iván Soto (Export Manager)

Phone: +34 93.594.65.41

Mail: export@polylux.com

Website: www.polylux.com



Products designed
for the voltage transformation
and electrical energy quality

Over 30 years manufacturing cast resin
transformers for the railway industry



Find out more about our
products at www.polylux.com

POLYLUX

Spain: polylux@polylux.com · International: export@polylux.com