

Hypothetic zincwhiskers issues for JVP 4x4 panels, introductory note.

The access floor system with fully steel encapsulated panels, which is a construction typology mostly used in the majority of the worldwide markets, are installed everywhere on annually basis for many millions of square meters, they are finished with different types of top surface treatment such as: varnishing, electroplating and hot deep galvanization method sendzimir.

Varnishing protection could cause risks of dangerous toxic smokes in case of fire, while the other two treatments are incombustible.

Some purposed studies made on the “zincwhiskers”, which in any case have never been confirmed by any scientific documentation nor supported by Official Technical Standard European and or Internationally harmonized, are insinuating doubts about the hypothetic armful represented from the zinc particles aggregates which should being first generated e and secondly came off, after mechanical sollicitation of the treated surfaces.

While, theoretically we could probably take as hypothesis the possibilities of problems for the electroplating treatment which is usually made on raw steel finished pieces, the hot deep galvanization treatment excludes any kind of problems, in consideration of the fact also that this treatment is made in phase of manufacturing directly from the producer of steel.

All the galvanised steels used on the production of panels for the access floor system JVP 4x4 are of type: DX51Z100, i.e.: steel with hot deep pre galvanization and consequent passivation made at source, therefore free from any risk (always hypothetic) for the generation of the “zincwhiskers”.

We hope that the information contained on this document is useful and of interest, but should you require further clarification, please let us know.

Lorenza Corazza



p.p.v. Carlo Valerio Segno sas

