

Technical bulletin

Unpainted electrical installation systems for walls and ceilings

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This technical bulletin provides you with information on specific technical subjects. It is based on the current rules and regulations and on our current test results. The contents of this document is not legally binding.

Unpainted wall trunking systems

The use of unpainted wall trunking systems made of galvanised sheet steel has led to queries and complaints, which we would like to discuss in this technical bulletin.

Basic information

Unpainted (galvanised) trunkings are intended for construction-side coating.

Under no circumstances should these trunkings be used without any further coating, as we are unable to guarantee a consistent, optically clean quality.

This particularly applies to our sheet steel double trunkings. The central separation bar consists of an aluminium profile, which has a different natural surface and colour, and which remains visible even when covered with clear varnish.

It is not possible to make any comparisons with other components, such as ventilation tubes or cable ways, as these are made of other materials with different types of galvanisation.

Technical features

When manufacturing our sheet steel trunking systems GEK-S with 80-mm-cover and 11-mm-cover, we use hot galvanised, shaped (rerolled) sheet steel in accordance with EN 10142. The zinc layer measures 150 g/m², which corresponds to a thickness of approximately 10 µm.

Surfaces

The zinc surface is influenced by several factors:

- permitted tolerances of raw materials
- influence of humidity during the transport and delivery of raw materials
- edge impressions, grinding marks and fingerprints caused during manufacture
- improper storage on the construction site, such as direct weathering and contact corrosion with damp packaging material. Also, increased humidity in the storage room can also cause corrosion
- influence of humidity during installation work, during subsequent cleaning and of course during later use

These impacts can cause optically uneven appearances. However, this has no influence on the function of the trunkings.

Without a suitable surface coating, we can accept no guarantee for the exterior appearance of our wall trunking systems.