COPPER BAND KB 20

> conductive
> can be laid quickly
> self-adhesive

Product description

Self-adhesive copper band as earthing line under antistatic primer.
Only indoors for the production of conductive underfloor constructions; suitable for underfloor heating systems and castor wheel loads. For chemical laboratories, operating theatres, electronic manufacturing, production rooms in explosion protected area, ...

Delivery format:

Container	Outer packaging	Pallet
20 M / ROL	20	9.999

Storage:
Can be stored frost-free, cool and dry on wooden shelves in the unopened original container for: 365 days.

Processing

Processing:
The self-adhesive copper tape is glued to the professionally prepared substrate. At least one connection is required to the earth ring line per 40 m² area. The ends of the conductive strips are pulled up along the wall surfaces and connected with the earthing connection point. The number and location of the earthing connection points are to be determined and installed by qualified specialists.

Technical data

Surface weight	approx. 305 g/m²
Tensile strength	275 mpa
Purity	99,8 %
Strength / hardness	35 µm / 90 + - 5 Vickers
Expansion	> 3 %
Peel strength	14 N / 25 mm
electrical resistance	0,017241 Ohm mm²/m > 0,162 Ohm g/m²

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Substrate

Suitable substrates:
absorbent, smoothed substrates and non-absorbent substrates

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts and it must comply with the applicable technical national and European directives, standards and "generally accepted rules of the trade".

Product and processing instructions

Conductive floor systems - determination of electrical resistance using DIN EN 1081. Generaly requirements for protection of electrical building elements against electrostatic phenomena using DIN EN 61340-5-1. Process to determine the resistance to ground using DIN IEC 61340-4-1.

Material advice:
- When working outside the ideal temperature and/or humidity range, the material properties may change significantly.
- Temper materials accordingly before processing!- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or thinning specifications must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.

Environmental advice:
- Do not process at temperatures below +15 °C!
- The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
- The ideal air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjacent components!

Tips:
- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.
Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released.
The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.

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