

SPECIAL MS-P ADHESIVE EL 650



- > conductive special adhesive
- > single-component
- > for heavy use
- > high dimensional stability
- > suitable for special bonding



Product description

Electrically-conductive, single-component, solvent-free, hard-elastic special adhesive based on SMP technology. Waterproof and weather-resistant.

For indoor and outdoor use for laying highly stressed conductive rubber flooring, in sheets and panels with smooth backing or with coned or structural backing up to 5mm, as well as for conductive linoleum and PVC coverings. Suitable for underfloor heating systems and castor wheel loads. The adhesive is characterized by the ease of processing and its high final strength. EL 650 is a special adhesive for solution of all conductive special bonding problems.

Delivery format

Container	Outer packaging	Pallet
10 KG / KE	-	33 KE

Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 730 days

Processing

Recommended tools

Tooth spatula A1, A2, B1, B2, B3, special teeth

Processing

Before laying conductive, elastic coverings, a conduction system must be installed on the prepared substrate, which must later be earthed by an electrician in accordance with regulations. This is done with sheet materials in the form of a grid-shaped conduction system made of copper strip KB 20.

Parquet and Flooring technology

When laying tracks, one copper strip in the middle is sufficient for each track in the longitudinal direction.

Both types of installation require a copper-loop ring main with a wall clearance of 25 cm, to which one connection point per 30 m² must be attached for potential equalisation.

Apply the adhesive evenly over the prepared substrate using a suitable notched trowel. Place the covering in the wet adhesive bed and rub down the entire surface by hand. Roll over after 90 minutes at the earliest, but within 150 minutes, with a 60 kg roller. Apply enough adhesive to fully cover the rear side of the covering.

Type of coating, toothing and consumption:

PVC with smooth and slightly textured back and rubber coverings with smooth back: toothing A1, A2, B1, B2

Consumption: 250-550 g/m²

Rubber coverings with cones: toothing B3

Consumption: 750-1200 g/m²

Technical data

Density	1.0
Colour	black
Consumption	200 - 600 g/m ²
Flash-off time	max. 40 minutes
Working time	max. 40 minutes
Final strength	3 - 5 days
Contact resistance	≤ 3x10 ⁵ Ω

Test certificates

Tested in accordance with (standard, classification ...)

nach DIN EN 13415, EC1

Substrate

Suitable substrates

Suitable for absorbent, smoothed substrates, as well as smooth non-absorbent substrates such as EL 605, epoxy or PU coatings and metal.

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".

Substrate pretreatment:

The substrate must be pretreated with primers and fillers, if necessary, in accordance with the relevant ÖNORMEN. It is recommended that a pre-treatment is performed with Murexin products. The covering for installation as well as the adhesive must be brought to the surface temperature of the substrate. (Ideally: +16 °C to +22 °C) Dense, smooth surfaces are to be cleaned and well sanded. For subfloors where soil moisture or condensation are to be expected, a reliable moisture seal must be guaranteed.

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.