



UNI® MSP K 520

MS polymer adhesive for parquet flooring



Highlights

- Outdoor and indoor application;
- Good adhesion to various types of substrates, with high bond;
- Good resistance to UV radiation;
- Good resistance to humidity;
- Absorption capacity of impact noise;
- Excellent flexibility;
- Approved to radiant floors;
- Free of solvents and isocyanates.



Applications

Description

Monocomponent one-sided adhesive, moisture curing, composed of MS Polymer resins silanized.

Main application

UNI® MSP K 520 is suitable for bonding skirting boards and raw or pre-painted parquet, on all types and sizes of wood.

This product adheres perfectly to any type of dry and clean substrate, adapting to the natural movements of the wood, thus allowing simple and quick application.

It is especially suitable for application on materials used in construction, such as: screeds, concrete, tiles, ceramics, metals and wood, including solid parquet up to 200mm wide, raw, varnished and mosaic. Can also be used on radiant floors. Completely solvent free. Available in yellow and brown. Other colours subject to approval.

Due to the high possibilities of substrates to be glued, it is always recommended to carry out previous tests. Any doubt or application not described in this document should always be subject to advice from our Technical Department and prior testing to validate the results.

Specifications

Product data

Product type	Adhesive
Chemical base	MS Polymer
Appearance/Color	Thixotropic paste/available in various colours

Technical data

Solids content (ME 02 – ISO 1625), %	Approximately 100
Viscosity (ME 01 – ISO 2555, R7/6 rpm, 23±2°C), mPa.s	250000 ± 50000
Density (ME 03 – ISO 1183-1), g/cm ³	1,6 ± 0,5
Flammability, °C	Non flammable
Hardness, Shore A	50
Water solubility	Insoluble

Specifications

Application information

Expected yield, g/m ² ^[1]	(1000 – 1500)
Substrate temperature, °C	10 to 30
Application temperature, °C	10 to 30
Relative air humidity, %	40 to 60
Open time, min ^[2]	Approximately 30
Application method	Notched trowel n°4

^[1] Depends on the application factors (nature of the substrate, thickness, application methods, atmospheric conditions, among others);

^[2] Obtained through an internal method and may vary with temperature, humidity, amount of glue, etc.

Physical resistance (ISO 17178)

Adhesion (28 days)	3,4N/mm ²
Stretching (28 days)	1,6

Surface preparation

Surfaces must be dry, free of dirt, grease, dust or residues of any other kind that may affect adhesion. Screeds, with the appropriate percentage of cement, must be solid, resistant to traction and compression, with an adequate degree of absorption, free of cracks and loose sand.

If there are any irregularities in the floor, it is recommended to apply the levelling mortar, REVE® AUTONIVELANTE 614.

UNI® MSP K 520 should not be applied on a substrate with a moisture content of more than 3%. In such cases, a suitable primer must be applied. For further information, please refer to the topic "Application scheme" in this Technical Data Sheet.

In the case of applications on underfloor heating, the heating must be switched off 48 hours before the start of the application and for the entire duration of the work. The underfloor heating should only be restarted, progressively, 7 days after completing the application.

Before starting the application, make sure that the substrate, the adhesive and the screed are acclimatised.

In case of doubt apply a test area and consult our Technical Department.

Application

The adhesive must be homogenised before starting the application. Apply the adhesive on the surface to be coated with the recommended notched trowel. Never dilute the adhesive. Lay the covering up to 30 minutes after the application of the adhesive. This time depends on the ambient temperature and the porosity of the flooring.

The moisture content of the wood should be between 8%-12%, and that of the subfloor should not exceed 3%. The adhesive should not be applied at temperatures lower than 5°C. If glue stains appear, they must be removed immediately with NISA® DILUENTE L.

The surface can be lightly trafficked after approximately 24 hours at 20°C and can be sanded and varnished after 48 to 72 hours. Higher temperatures reduce the application time and speed up the hardening of the adhesive. If in doubt, consult our Technical Department.

Drying times (20°C and 60% H.R.)

Opening time	Approximately 30 min
Light traffic	12 to 24h
Final adhesive strength	Approximately 48h
Sanding / varnishing / painting	48 to 72h

Application scheme

For levelling cementitious surfaces we recommend the application of INDU® AUTONIVELANTE 614 levelling mortar. If the humidity is greater than 3% it is advisable to first apply our primer REVE® POXI K 95 on ground surfaces. We also recommend one or two coats of primer and a fresh sprinkling of REVE® AREIA SECA SP 45.

If the surface is on upper floors use REVE® IZULTEX. The surface can be sanded and varnished after 48 to 72 hours using any of our water-based varnishes from the NISA® range.

For grouting wood joints, we recommend a mixture of NISA® MASSITEX TRANSPARENTE with sawdust or directly NISA® MASSITEX in one of the colours offered.

For more information on the products mentioned, please consult their respective Technical Sheets.

Recommendations

Do not apply on screeds that are not protected against the risk of rising damp (always place a waterproofing sheet between the floor and the screed support).

The varnish used to finish the wood should only be applied 48 to 72 hours after the wood floor has been laid. The varnish must ALWAYS be water-based. The use of polyurethane or solvent based varnish may cause interactions with the glue and its backflow between the floor elements causing undesirable effects. Direct contact between varnish and wood adhesive should always be avoided.

Acclimatise the wooden floor by storing it in the place where it will be applied a few days before the start of work.

Observe the storage conditions mentioned by the flooring manufacturer. Store the adhesive in a place with a pleasant temperature.

Do not apply if the temperature is below +10°C or above +30°C.

Tools cleaning

UNI® MSP K 520 adhesive is easy to clean, depending on atmospheric conditions, and can be removed from pre-finished parquets without staining. The tools must be cleaned immediately after use with NISA® DILUENTE L. After drying, the product must be removed mechanically.

Care and protection

To maintain the natural appearance of parquet, we recommend the maintenance and care of the substrate using NISA® DETERGENTE PM to clean the floor and then applying NISA® PROTECTOR PM for optimum protection and preservation of the wood surface, maintaining its natural beauty.

Storage

The product should be stored in its original packaging, properly closed, in a cool and dry place. If possible, avoid direct sunlight. A storage period of not more than 6 months at a temperature between 15 and 25°C is recommended.

Packaging

The product is supplied in 14Kg packages, containing 2 x 7Kg bags.

Health, safety & environment

No special precautions are required when handling this product. However, if a doctor is consulted, show the label. Keep out of reach of children. Do not release waste to the environment by separate collection. Consult the Safety Data Sheet for more detailed information.

The information contained in this Technical Data Sheet is based on laboratory tests performed on the product and on the laws in force in the European Union. As the user's working conditions are beyond our knowledge and control it is their responsibility to follow all necessary steps in order to comply with current laws and regulations. The product must not be used for any purpose other than that specified. Given the diversity of use of our products, we recommend our customers to always carry out previous tests, in order to make sure that the product meets the desired specifications. The information contained in this Technical Data Sheet is only a general guide as to the precautions to be taken in order to use our product safely and how to use it: it can under no circumstances be considered as a guarantee of the product's properties. This version will become invalid if replaced by a later version.



Technical support
227 840 085

