MAPEI

Silwood Decking

Solvent and isocyanate-free, sililated polymer sealant with a very low emission level of volatile organic compounds (VOC), ideal with low modulus, suitable for sealing all types of internal and external wooden floors

WHERE TO USE

Sealing internal and external joints in wooden floors and joints between different types of floors when there is no joint trim.

Some application examples

- Sealing wooden floors on balconies and terraces and around swimming pools (if not permanently in contact with water).
- Sealing wooden floors in environments such as wellness centres, spas, etc.
- Bonding external Teak floors sealed with **Ultrabond S965 1K.**

TECHNICAL CHARACTERISTICS

Silwood Decking is a one-component, solvent and iso-cyanate free sililated polymer with a very low emission level of volatile organic compounds.
It is manufactured according to technology developed in MAPEI's own Research & Development laboratories and has the following characteristics:

- one-component, supplied ready-to-use;
- excellent bonding power;
- excellent filling capacity;
- high resistance to UV rays and atmospheric agents;
- may be sanded and varnished once dry;
- no hazard or warning labels are required on the packaging;
- GEV certified as a product with a very low emission level of volatile organic compounds (EMICODE EC1 R^{PLUS}).

RECOMMENDATIONS

- Do not use **Silwood Decking** at temperatures lower than +5°C or higher than +35°C.
- Protect the product from the rain for 8-10 hours after application.
- Use a suitable finishing oil to treat external wooden surfaces.
- Use **Ultracoat Oil** or water-based paints from the **Ultracoat** range to treat internal wooden surfaces.
- Do not clean with bleach or other cleaning products containing chlorine.

APPLICATION PROCEDURE

Preparation of the substrate

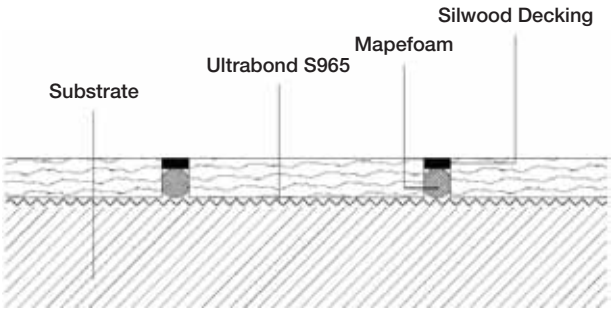
Surfaces to be sealed must be clean, dry and free of dust and traces of oil and grease. When used for sealing external surfaces, **Silwood Decking** must only bond to the sides of the wooden elements and never to the bottom of the joint. Insert **Mapefoam** compressible, closed-cell, foam polyethylene cord with a diameter according to the width of the joint and also to regulate the depth of the sealant.
When used for sealing internal surfaces in damp environments, we recommend laying the parquet elements (with a humidity content suitable for such environments) with a gap of 2-2.5 mm between the elements to compensate for any movements in the wood.
When pre-varnished or pre-finished parquet is used, or on other types of floor, protect the area around the joint with masking tape, which must then be removed immediately after extruding the **Silwood Decking**.

Silwood Decking

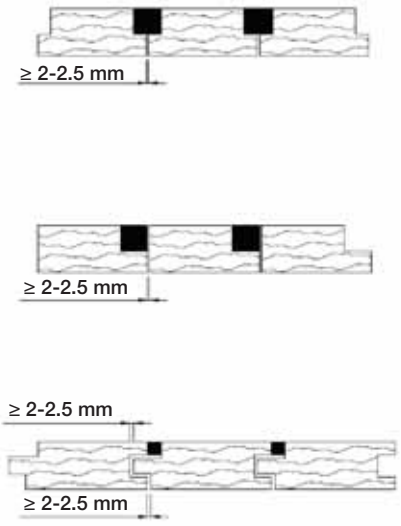
TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	thixotropic paste
Colour:	black
Density (g/cm³):	1.45 ± 0.05
Viscosity (mPa·s):	1,400 ± 200 (rotor F - 5 RPM)
Dry solids content (%):	100
Storage:	12 months in its original sealed packaging
Hazard classification according to EC 1999/45:	none. Before using refer to the “Safety instructions for preparation and application” paragraph and the information on the packaging and Safety Data Sheet
EMICODE:	EC1 R^{PLUS} - very low emission level
Customs class:	3909 50 00
APPLICATION DATA (at +23°C and 50% R.H.)	
Application temperature range:	from +5°C to +35°C
Time for formation of skin:	15 ± 2 min.
Hardening rate:	4 mm/24 hours
Waiting time before removing excess product:	24-48 hours
Sanding and varnishing:	4-5 days after removing traces of excess product
FINAL PERFORMANCE	
Elongation at breakage (%) (DIN 53504) (7 days at +23°C + 14 days at +50°C):	> 500
Movement when in service (%):	± 20 (classified as F 20HM according to ISO 11600)
Tear resistance (ISO 34-1) (7 days at +23°C + 14 days at +50°C):	10 N/mm
Shore A hardness (DIN 53505) (7 days at +23°C + 14 days at +50°C):	40
In service temperature range:	-40°C/+90°C

Diagrams of typical internal and external wooden floor laying systems sealed with **Silwood Decking** are illustrated below.



1. Sealing a floor bonded on an external surface



2. Decorative sealing of an internal wooden floor

Application of the product
The product is supplied ready-to-use. Insert the tube in a special extrusion gun. After cutting the end off the tube, insert the extrusion nozzle and trim it according to the width of sealant required. Extrude the sealant in a continuous flow into the joint; avoid entrapping air inside the joint.
After 24-48 hours, remove traces of excess product with a cutter. Leave the sealant to dry for 4-5 days before sanding down or polishing or before applying a protective coating.

Polishing
Sanding or polishing of floors sealed with **Silwood Decking** may be carried out 4-5 days after removing traces of excess sealant.

Cleaning
Silwood Decking may be removed easily from tools while still fresh with acetone or with **Cleaner L**. Once hardened, it must be removed mechanically or with **Pulicol**.

CONSUMPTION
According to the size of the joints to be filled, calculating that its density is equal to 1.45 ± 0.05 g/cm^3.

PACKAGING
600 ml soft cartridges.

STORAGE
12 months in its original, well-sealed packaging stored under normal conditions.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION
Silwood Decking is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. However, we recommend the use of protective gloves and goggles, and to take the usual precautions for handling chemical products.
For further and complete information about a safety use of our product please refer to our latest version of the Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING
Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our web site www.mapei.com

GEV-EMICODE EC 1 PLUS very low emission

This symbol is used to identify Mapei products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

Our Commitment To The Environment
More than 150 MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
GREEN INNOVATION

All relevant references for the product are available upon request and from www.mapei.com

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