



Bona Quantum LVT

SILANE BASED LVT ADHESIVE



Silane based LVT adhesive

Bona Quantum LVT is the latest generation of silane-based LVT flooring adhesives for installation of LVT- or multi-layered modular floorings. The adhesive stands out from conventional wet bed adhesives with its very high initial bonding strength. Its long open time allows a more relaxed application and high temperatures will not shorten the open time as with dispersion based product. The LVT floor can be laid directly on top of the newly applied adhesives without any venting time. Although the floor covering is fixed immediately, it can still be adjusted after installment. All in all, Bona Quantum LVT provides a relaxed and absolutely secure LVT floor installation.

- Very high initial bonding strength
- For installation of LVT- or multi-layered modular floorings
- Not sensitive to residual moisture content in the substrate, no risk of saponification
- Resistant against water penetration through the flooring joints, useful for hallways, kitchens or bathrooms



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TECHNICAL DATA

Product type / base:	silane modified prepolymer
Colour:	beige
Density:	approx. 1.7 g/cm ³
Application tools:	Bona notched trowel TKB A2 or TKB A4.
Application rate:	Approx. 180–250 g/m ² , depending on the selected notch size.
Giscode:	RS10
Open time:	approx. 45 min*
Flash off time:	not necessarily required, but 5–10 minutes will increase the tack significantly.
Curing time:	approx. 24 hrs.* * at 20 °C and 55 % RH
Cleaning agents:	Fresh adhesive on tools and floor covering surfaces can be removed with Bona Cleaning Wipes or solvents (e.g. ethanol, acetone). Fully hardened adhesive can only be removed mechanically.
Shelf life:	12 months from the date of manufacture in an unopened bucket.
Storage/Transport:	Do not store below +5 °C, protect from frost, store cool in summer (not above +25 °C).
Disposal:	Waste and empty containers should be handled in accordance with local regulations.
Pack size:	8 kg bucket.
Certificates/approvals:	EMICODE: EC 1PLUS

Additional detailed information is noted in the appropriate Safety Data Sheet.



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SUBFLOOR PREPARATION

The substrate must be sound, dry, permanently dimensionally stable and free from cracks, dust and other contamination. Where applicable, the substrate must comply with relevant local standards or codes of practice. If these conditions are not met, the substrate must be suitably prepared and any deficiencies rectified prior to installation.

LVT flooring is particularly sensitive to subfloor irregularities. Unevenness, indentations and surface defects may telegraph through the finished flooring. For this reason, a smooth, even and absorbent surface is required and the use of a suitable Bona levelling compound is mandatory.

Repair and fully fill slots, holes and surface defects using a Bona repair mortar. Apply the levelling compound to a

minimum thickness of 2 mm on absorbent substrates and 3 mm on non-absorbent substrates to achieve a smooth, absorbent surface prior to installation.

Ensure that the subfloor and levelling compound are sufficiently cured and dry prior to adhesive application. Observe the drying and readiness for installation times stated in the Technical Data Sheet of the levelling compound used before proceeding with the flooring installation, in order to avoid subsequent odour formation or bubble development.

Refer to the relevant Bona Technical Data Sheets for detailed application guidance for the associated repair mortars, primers and levelling compounds.

SUITABLE SUBSTRATES

- All subfloors prepared with a suitable Bona levelling compound.



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APPLICATION INSTRUCTIONS

Ensure that Bona Quantum LVT has reached room temperature prior to application. During application and curing, the following climatic conditions must be maintained: air temperature 18–25 °C, floor temperature min. 15 °C and max. 20 °C, and relative humidity max. 65 % RH. Avoid application in direct sunlight. High relative humidity and high temperatures shorten, while low relative humidity and low temperatures extend, the open, curing and drying times.

The LVT flooring must be sufficiently acclimatised prior to installation and adjusted to the climatic conditions expected during service. Observe the installation instructions of the flooring manufacturer.

Apply the adhesive evenly to the subfloor using a suitable notched trowel, TKB A2 or TKB A4, in accordance with the flooring manufacturer's recommendations and depending on the substrate condition. The selected notch size must ensure full adhesive transfer to the backing of the flooring. Check

adhesive transfer by periodically lifting a placed tile or plank.

Depending on the subfloor condition, the adhesive maybe used with or without flash-off time. If a flash-off time is applied, allow the adhesive to flash off until it reaches a tacky consistency. Place the LVT flooring into the adhesive bed and press firmly into position. Apply only as much adhesive as can be covered within the open time.

Ensure that all tools are clean. Even minor contamination with other adhesives may significantly impair the performance of the product. Non-flat edges or ends of the flooring should be rolled prior to placement in order to relieve internal stresses. Deformed or raised edges shall be weighted during installation. Approx. 30 minutes after installation, roll the flooring again using a suitable floor roller (min. 45 kg) or as recommended by the flooring manufacturer.

CONSUMPTION

Approx. 180–250 g/m², depending on the selected notch size and substrate condition.

IMPORTANT!

Bona Quantum LVT is intended for the installation of LVT flooring.

For EN 16511 floor panels (semi-rigid decorative floor coverings in tile or plank format), contact Bona Technical

Service prior to installation.

Installation must comply with the applicable local standards or codes of practice and the flooring manufacturer's instructions.



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The information in this document and all other advice and recommendations that we provide to help and assist the applicator are based on previous experience and extensive testing but make no claim to be complete.

Because of the wide range of possible uses and conditions of application of our products, we do not relieve users from the need to carry out their own trials or to seek technical advice from Bona before use. Bona can only guarantee its products and not the construction as a whole. Observe recommendations from the flooring manufacturer and the provisions of relevant standards.