Bond for Life.®

Technical Data Sheet

SiegelBond T40



High Temp Hardset Vinyl Adhesive

Product Description

SiegelBond T40 is a high temperature resistant vinyl plank adhesive with short open time and excellent adhesion . Suitable for interior use only, areas such as shopfronts with heavy glass areas and exposed to high levels of sunlight and temperature.

Product Advantages

- SiegelBond T40 is formulated to be exceptionally smooth and easy to trowel.
- SiegelBond T40 has a high initial green grab for most types of resilient flooring.
- SiegelBond T40 is easy to clean up in the wet state to improve workability.
- SiegelBond T40 is suitable for use over underfloor heating installations.
- SiegelBond T40 will withstand everyday wet cleaning practices.
- SiegelBond T40 gives a rigid permanent bond to most subfloor types.
- SiegelBond T40 is low VOC rated

Application

SiegelBond T40 is suitable for the installation of LVP, sheet and tile rubber flooring, and semi-flexible vinyl tiles (VCT), linoleum and many other floorcovering types. Suitable for both absorbent and levelled subfloors. On dense or non-absorbent substrates, use with the double-drop method,

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Consumption Estimate

Stir adhesive before use. Apply evenly with a notched trowel held at ~60° angle:

Smooth Back	V notch | 1.6mm	180–200 g/m²
Textured Back	V notch | 2.4mm	200–280 g/m²
Hard Hold Carpets	V notch | 3mm	250–320 g/m²

Technical Information

Type	Waterbased Acrylic Polymer Blend	Colour	Off White
Solids Content	71%	Open Time	0-10 mins
Low VOC Compliance	GBCA VOC compliant Yes	VOC content	GBCA - ASTM D3960-05 55 g/L
Shelf Life	12 months	Application Temperature	10-30°c*
Working Time	5-10 mins	Density	1.2
Loadable	24 hours	Joint Sealing	Joint Sealing 24 hours

*Check flooring manufacturers recommended application temperature range

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Subfloor Surface Preparation

- Ensure the subfloor surface is structurally sound, flat, smooth, clean, with no indentations and anti-adherents.
- Subfloor must be free of dust, dirt, grease, wax, loose paint, oil, sealers of any type, curing compounds, bond breakers, asphaltic residue, liquid adhesive remover, strippers, chemicals, or any other foreign substances that can potentially affect bonding. Cleaning the subfloor of loose particles with an industrial vacuum cleaner is recommended.
- If direct applying the adhesive to the subfloor, it must be flat to maximum 3mm over 3 meters, otherwise it will increase the risk of hollow spots and poor adhesion under the timber flooring.
- Any existing coating or adhesives must be completely removed. Mechanical treatment (e.g. shot blasting, grinding or sanding) may be required to achieve subfloor conditions mentioned above.
- It is recommended to assess slab moisture. If the slab is more than 6% moisture content measured with a concrete impedance moisture meter or more than 85% in-slab relative humidity, then additional means of protecting the floor from slab moisture is needed. Refer to moisture vapour protection properties of SiegelProof PRO2K and the SiegelPrime P12 information sheet. Please discuss technical requirements with Siegel for any floors with high moisture or relative humidity readings
- Radiant heated subfloors should be turned off 24 hours prior to and during installation to prevent premature curing of the adhesive.
- Recommended air temperature during floor installation – between 17°C - 27°c and relative humidity between 40% and 65%, subject to the requirements specified by the flooring manufacturer.

Application Conditions

- The installation area, floorcovering and substrate should be kept at the appropriate temperature as required by the floorcovering manufacturer and section 4 of the current Australian/NZ (09) 951 9552 Standard 1884.
- The key to a successful installation is consistent temperatures being maintained 48 hours prior to installation, during and 48 hours after installation.

Application Direction

- **Wet-Bed Method** (recommended for LVT, LVP, PVC, and rubber): Install flooring immediately into the wet adhesive bed (within 0–15 minutes). The ridges must be completely impressed into the back of the covering.
- **Semi-Wet Method** (suitable for sheet vinyl and flexible coverings): Allow adhesive to tack-off for 10-30 minutes, depending on temperature, humidity, and subfloor absorbency. Flooring should then be pressed into place while adhesive is tacky but still transfers fully.
- **Double-Drop Method** (for dense or non-absorbent substrates): Spread adhesive, press flooring into the wet bed, then lift it back to allow adhesive to partially dry (become tacky). After 10–20 minutes, re-lay the covering and roll to ensure bond.
- **Laying the Flooring:** Lay coverings carefully to avoid air entrapment. Always rub down or roll immediately to ensure 100% adhesive transfer to the back of the covering. After several minutes, re-roll in both directions with the recommended roller (usually 35–50 kg for resilient coverings). Pay special attention to seams and edges to avoid lifting or curling.
- **After Installation:** Protect freshly laid flooring from foot traffic for 3–5 hours. Wait at least 24–48 hours before subjecting the floor to full loads or cleaning. Do not weld seams until adhesive has set (normally after 24 hours).
- Always follow the flooring manufacturer's instructions.

Limitations

- Drying times can be extended when applied in colder environments.
- Don't allow the adhesive to skin over or dry out; the bonding is dependent on wet contact.
- Don't apply adhesive in direct sunlight.
- Do not use on wet, dusty, contaminated, or friable substrates.
- Resistant only to the following: water, dilute acids, diluted caustic solutions, temporarily resistant to fuel, animal fats and oils, not resistant to organic acids, concentrated caustic solutions.
- Will not prevent damage to flooring system induced by excessive moisture transmission due to environmental factors like water leaks.

Health & Safety

May cause an allergic skin reaction. Causes serious eye irritation. Wear protective gloves and eye protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. If skin irritation or a rash occurs: Seek medical advice/attention. If eye irritation persists: Seek medical advice/attention. Wash contaminated clothing before reuse. Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request. For further health and safety information, check the latest safety data sheet.

Product Disclaimer

Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. In every case we recommend that the customer conducts their own testing and accordingly determines, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s.

For additional information, phone our Customer Service Centre on AU (02) 4858 1771 or NZ (09) 951 9552