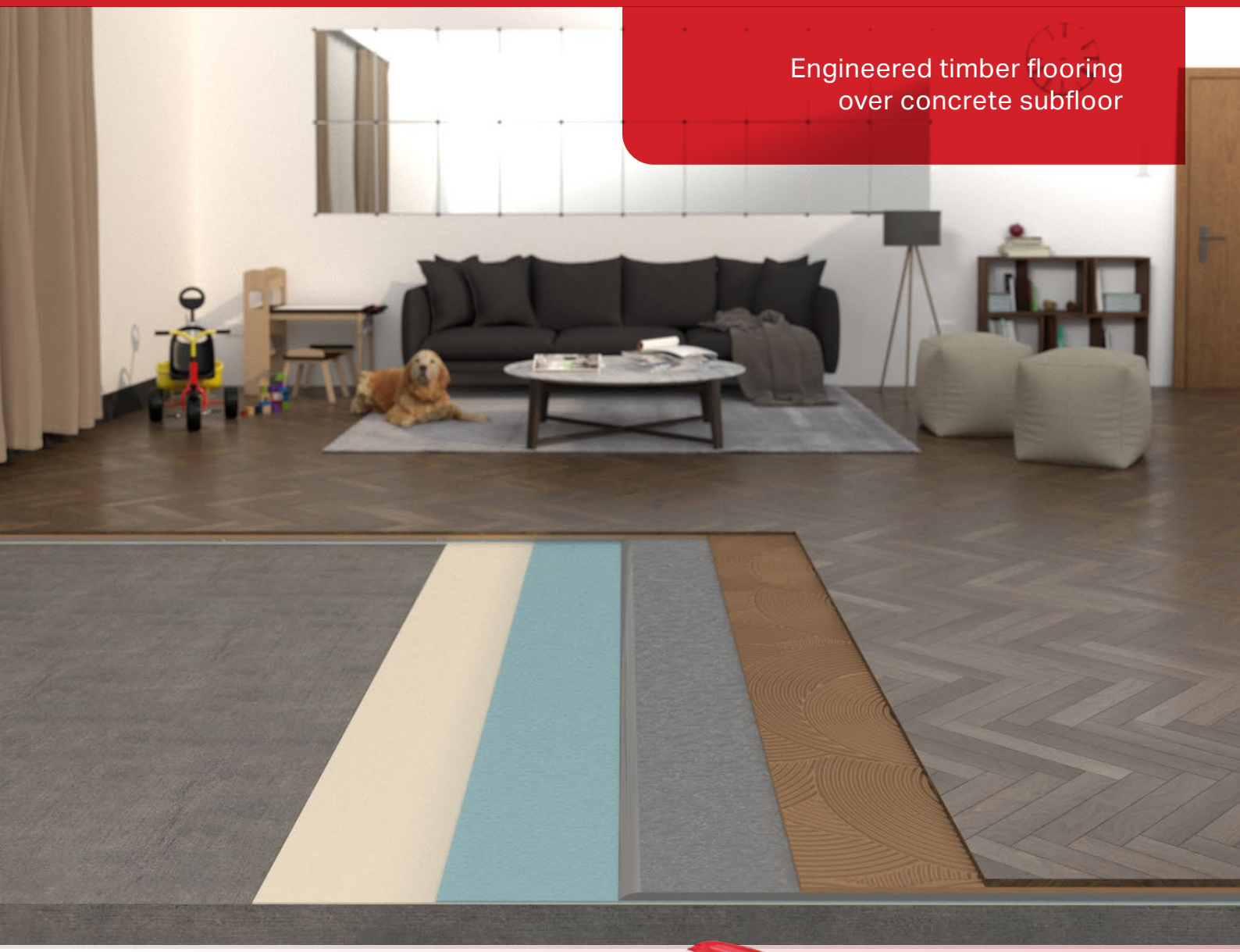
SIEGEL

Bond for Life.

Timber Flooring Installation System

Engineered timber flooring over concrete subfloor



Properly prepared
Concrete Subfloor

Moisture Vapour Barrier
SiegelProof
P12

Bonding Primer
SiegelPrime
P10

Self-levelling Compound
SuperLevel
PRO

Timber Flooring Adhesive
SiegelBond
PRO

Engineered
Timber Floor

Please refer to the corresponding Technical Data Sheets for full product application instructions and limitations.

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LOW VOC

GBCA Compliant

1.0 | Concrete Substrate Preparation

All substrates must be structurally sound, dry, solid and stable. Any laitance, dust, grease, oil, paint or curing compounds present on the surface of the concrete substrate that may inhibit bond, shall be mechanically removed. The substrate should then be cleaned and prepared in accordance with the relevant standards and as per the relevant Siegel Technical Data Sheets (TDS).

1.1 | Moisture Vapour Barrier

Important: Prior to the application of the Moisture Vapour Barrier, relative humidity (RH) readings must be carried out in accordance with ASTM F2170.

Moisture vapour barrier to be chosen from the following options:

A. **SiegelProof** PRO2K

High Performance 2K Epoxy Moisture Barrier
Suitable for concrete subfloors with moisture content up to 30% Moisture Reading.

B. **SiegelProof** P12

Rapid Cure 1K PU Moisture Vapour Barrier
Suitable for concrete up to <95% RH or 6% Moisture (min. 28 day old concrete).

Application:

1. Apply with a roller, brush or flat trowel,
2. A single coat is usually sufficient, providing a continuous layer with a glossy film on the surface is achieved. For more porous substrates, or substrates in poor condition, a second coat should be applied.

Note: Where the subsequent application of levelling compound is to exceed 10 mm, or if the area is expected to receive high stresses, apply at least 2 coats and completely saturate the final fresh coat of the moisture vapour barrier with silica sand. the moisture vapour barrier is dry and fully cured, all excess sand is to be removed via vacuum cleaning and the area is to be inspected for any bald spots (where the moisture vapour barrier has no sand). All bald spots must receive an additional coat of moisture vapour barrier, saturated with silica sand as detailed above.

1.2 | Primer (When levelling compound is to be used)

Important: SiegelPrime P10 may be applied to the Moisture Vapour Barrier once it dry to touch (approx. 2 hours for SiegelProof P12, 4 hours for SiegelProof PRO2K (but no longer than 24 hours).

A. **SiegelPrime** P10

High-performance Primer for Porous Surfaces
Suitable for use within 24 hours of Moisture Vapour Barrier Application

B. **SiegelPrime** NP60

High-performance Primer for Non-porous Surfaces
Must be used if the 24 hour window has passed since Moisture Vapour Barrier Application.

Application:

1. Primer applied using a brush or roller undiluted over the Moisture Vapour Barrier in accordance with the TDS.
2. Ensure no puddling of the primer occurs.

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1.3 | Levelling Compound

Important: Levelling compound can be applied 2 to 3 hours after applying the primer, but no longer than 24 hours.

Levelling compound to be chosen from the following options:

A. **SuperLevel** ECO

Professional Self Levelling Compound with fast curing and smooth finish.
Applied in thicknesses from 1.5 to 30 mm per application.

B. **SuperLevel** PRO

Professional Self Levelling Compound with ultra-fast curing and excellent self levelling.
Applied in thicknesses from 1.5 to 30 mm per application.

Application:

1. Pour correct dosage of potable water into a clean container then add the 20kg bag of selected SuperLevel product while using an electric mixer. Once a lump-free mix is obtained, let it stand for 2 to 3 minutes then briefly remix.
2. Spread levelling compound from 1.5 to 30 mm in thickness using a large metal trowel or float, tilting the trowel slightly to obtain the desired thickness. 3mm minimum thickness is recommended under timber flooring.
3. It is recommended to introduce saw cuts once the levelling compound can be walked on for large areas at high thickness to alleviate stress.
4. Allow 1-3 days of curing (depending on levelers thickness) prior to bonding onto.
5. Moisture reading should be within the subsequent adhesives moisture recommendation before bonding onto the levelling compound. Typical adhesive moisture require <5% moisture content. Refer to adhesive TDS.

1.4 | Timber Adhesive

Important: If applying directly to the moisture vapour barrier, use SiegelBond PRO range.

Adhesive to be chosen from the following options:

A. **SiegelBond** PRO70

High grab, medium open time – single component, solvent free, sililated polymer-based adhesive with very low VOC

B. **SiegelBond** PRO95

Easy trowel, fast setting – single component, solvent free, sililated polymer-based adhesive with very low VOC.

C. **SiegelBond** PRO98

Easy trowel, long open time – single component, solvent free, sililated polymer-based adhesive with very low VOC.

Application:

Apply adhesive evenly over substrate with SiegelBond Trowel 3 or Trowel 4.
Ensure a minimum of 80% adhesive to board contact is achieved.

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Health & Safety

Users must first read the Safety Data Sheet. Users should familiarize themselves with all the safety aspects of the product prior to usage.

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 - **AU:** 02 4858 1771 | **NZ:** 025636673

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