



## PR25 Polymer Timber Flooring Adhesive

Caviar PR25 is a premium wood flooring adhesive for permanent bonding of timber flooring systems to most common subfloor types. Caviar PR25 is an easy trowel formula and non-slumping, providing a consistent void fill between the subfloor and the flooring system. This formula is solvent and isocyanate free, meeting all the requirements of Greenstar and low VOC adhesives. Suitable for bonding most timber flooring systems including solid timber, plank strips, parquet, wood blocks, engineered timber, acrylic-impregnated timber and plywood. Approved for bonding to concrete, timber, plywood, cement screeds, cement sheet, moisture barriers, radiant heating, and Hebel subfloors. Also suitable for installation over steel and aluminium subfloors – it is recommended to solvent-clean steel subfloors before application of the adhesive.

### Suitable Applications

Caviar PR25 wood flooring adhesive is suitable for bonding most timber flooring systems to concrete, plywood, cured leveling compound, epoxy membranes, particle board and radiant heated subfloors.

### Technical Specifications

Adhesive Polymer	Single Part Hybrid Polymer
Tensile Strength	1.6 N/mm <sup>2</sup>
Shore A Hardness	40 ±
Elongation at Break	180%
VOC Content	< 10g / liter
Tack Free Time	20-40 minutes
Working Time	30 minutes (20°C at 50% R.H.)
Shelf Life	12 months (unopened)
Storage	Store in a dry place between 5°C and 30°C

### Subfloor 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 15% moisture content measured with a concrete impedance moisture meter or more than 80% in-slab relative humidity, then additional means of protecting the floor from slab moisture is needed. Please discuss technical requirements with a Caviar PR25 consultant for any floors with high moisture or relative humidity readings
- For use over particleboard, all surfaces should be rough sanded, including sanding flat all joints. Ensure the surface is clean, dry, sound and does not squeak prior to laying the timber flooring.
- For use over clean plywood all joints should be sanded flat. Ensure the surface is clean, dry, sound and does not squeak prior to laying the timber flooring.
- 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 10°C - 35°C and relative humidity between 40% and 80%, subject to the requirements specified in the flooring installation requirements.

**Estimated Coverage Rates**

3mm x 3mm V Notch Trowel	16-17m <sup>2</sup> per pail
4mm x 4mm V Notch Trowel	13-14m <sup>2</sup> per pail
5mm x 5mm V Notch Trowel	9-10m <sup>2</sup> per pail
6mm x 6mm V Notch Trowel	7-8m <sup>2</sup> per pail

**Adhesive Application:**

- Remove the lid and remove the foil liner. Once open, the entire contents of the pail should be used within a short period of time.
- Spread the adhesive with the proper notched trowel, apply uniformly on the subfloor. Avoid adhesive pools and excessive adhesive.
- Floor installation is by a full adhesive bed and to the flooring manufacturer’s instructions.
- Place the timber on the adhesive within the 30-minute working time, correctly position and press down firmly or tap with a rubber hammer to ensure good overall contact.
- Ensure 100% adhesive contact to the board is achieved for proper bonding to the floor and for full moisture vapour protection.
- Place heavy objects to hold the flooring firmly in place during the curing time.
- When installing near a solid object or wall, leave the necessary room for expansion as outlined in the timber system guide. Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure.
- If wedges or weights have been used during the installation to hold wood in place while adhesive dries, remove wedges after initial setting of the adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges can cause the wood flooring to buckle and pop off the subfloor.
- Restrict foot traffic for 12 hours. Wait 24 hours before sanding.
- Uncured adhesive can be removed from prefinished flooring with a damp rag or cleaning wipes. Do not use unapproved cleaning agents on prefinished timber surfaces.
- Clean tools and equipment immediately after use with a suitable solvent such as white spirits or mineral turpentine. Cured adhesive will need to be mechanically removed.

### Trowel Recommendations

- For adhesive-only performance, a 4mm or 5mm V notch trowel is suitable for most flooring systems on both concrete-to-timber and timber-to-timber applications. Using a 3mm V Notch may be required for finger block parquetry.
- *Moisture Barrier*: for concrete to timber applications where moisture barrier properties are required, a 5 x 5mm consistent V-notched trowel should be used. Adhesive consumption with a 5 x 5mm consistent V notch trowel is approximately 9m<sup>2</sup> per pail. Important: when trowelling, 100% adhesive subfloor coverage is required to ensure moisture protection.

### Product Limitations

- Do not use on wet, dusty, contaminated, or friable substrates.
- Do not dilute the adhesive.
- 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 wood flooring induced by excessive moisture transmission due to environmental factors like water leaks.

### Health & Safety

Health and Safety: Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request. 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, Caviar PR25 cannot be held responsible for product field performance if all application recommendations are not adhered to. 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 any cases of possible concern it is recommended that the customer conducts their own testing and accordingly determine, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s.

For additional information, phone customer support on 03 9580 1886  
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Manufactured under licence for Prance Flooring



### Caviar Adhesives

25 Industrial Drive  
Braeside VIC 3195  
Australia

P: 03 9580 1886

E: sales@prancehome.com.au

W: www.prancetimberflooring.com.au