

# J-SYSTEM 13

## High Moisture Acrylic Adhesive

### Data Sheet



### Main Application Field

- Homogeneous and Heterogeneous PVC or CV
- Textile floor coverings with all common backings
- Light weight needle punch or woven carpet
- Luxury Vinyl Tiles
- Rubber floor coverings in sheets (up to 4mm)
- Linoleum in sheets up to 3.2 mm

### Product Features & Benefits

J-System 13 has outstanding initial tack and bond strength as a wet-set adhesive and can be applied on substrates containing residual or rising moisture. J-System 13 is moisture resistant up to 99% RH and alkaline resistant up to pH 12. It has excellent resistance against damage from vinyl plasticiser migration which makes it ideal for PVC vinyl sheet flooring, LVT and other types of vinyl-backed flooring. Sheet flooring installers may choose to lay in and re-position the floor covering while the adhesive remains in its initial wet state. The overall versatility and outstanding bond strength makes J-System 13 the first choice for commercial and residential environments.

### Technical Data

Shelf Life	12months (min)
Dry Colour	Transparent
Wet Colour	Cream white
Working Time	15-45 minutes*
Min Application Temperature	15 °C at ground level
Loadable	After 24 hours*
Joint sealing	After 24 hours*
Final strength	After 3 days*

\*At 20 °C and 65% relative humidity depending on the type of floor covering and the absorbency of the substrate.

### Use

Commercial and residential installations of PVC vinyl sheet, LVT plank and vinyl-backed sheet flooring. Follow all flooring manufacturer procedures and installation instructions.

Suitable for: Homogeneous sheet vinyl, Heterogeneous sheet vinyl, Fiberglass encapsulated (cushion-backed) sheet vinyl, LVT (luxury vinyl tile & plank), VCT (vinyl composition tile), VET (vinyl enhanced tile).

### Dimensional Stability of Flooring Structures

Some vinyl tiles and planks may expand or contract because of acclimation, handling or how the product was manufactured. Install a sample test area to determine suitability of this adhesive to resist any dimensional change. Please note that Jacobsen cannot be held responsible for installation issues caused by dimensional changes in flooring structures.

### Substrate Preparation

Substrate must be sound, smooth, flat, clean, and free of surface moisture and alkali residues as per (AS 1884:2021). Remove dirt, wax, grease, paints, oils, sealers, curing compounds and all contaminants that would interfere with adhesion. Prime with J-System 21 Concrete Primer. Fill all cracks, holes and low spots with an appropriate J-System Levelling Compound. Always run moisture and alkali tests for concrete on any grade level. For accurate results, curing agents must be removed in areas where tests will be run. For high moisture installations, follow additional special preparation requirements described in high moisture section.

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### High Moisture Installations

- Moisture test results should be below 99% RH as determined by the relative humidity test method (ASTM F2170). Alkali readings should be a maximum pH 12.
- Acclimatise the installation area, adhesive and flooring in an enclosed building at a minimum of 18°C floor at least 72 hours before, during and for 72 hours after installation.
- Concrete must be a minimum of 28 days old. On-grade or below-grade slabs must have an effective DPM beneath the slab as per NZBC.
- Concrete slab must be at service temperature, and occupied air space above the slab must be at service temperature and service relative humidity, at time of installation.
- Do not install in areas where rising moisture leads to hydrostatic pressure.
- Relative humidity of air within the space should not exceed 65% for 72 hours following the installation.
- While this adhesive is resistant to being damaged by high concrete moisture vapor emissions, it does not create a moisture barrier and therefore does not protect the floor covering from substrate moisture.
- Humid substrates may cause secondary emissions and odours.
- Always follow floor covering manufactures guidelines for maximum RH% and pH of the floor covering as well as intended use of the product.

### Application

Follow the flooring manufacturer's guidelines for layout and design. Ensure the adhesive is well blended prior to application.

Apply an event coat of adhesive onto the substrate using a suitable notched trowel.

### Consumption Information

Coating/Backing	Notch	Consumption
Smooth – CV floorcovering	A5	190-220g/m <sup>2</sup>
Smooth - LVT	A1	220-280g/m <sup>2</sup>
Slightly structured – PVC, LVT Rubber	A2	260–330g/m <sup>2</sup>
Structured – carpet, linoleum, soft needle punch	B1	340-390g/m <sup>2</sup>

### Flash-off and Installation Time for Different Types of Coverings

	Notch	Waiting time*	Working time*
CV floor coverings, LVT	A5	5 - 15 mins	10 - 20 mins
PVC Vinyl sheets, rubber	A2	10 - 20 mins	10 - 20 mins
Textile or Linoleum	B1	15 - 25 mins	10 - 30 mins
Needle punch	B2	15 - 25 mins	20 - 45 mins

Installation shall be in accordance with FloorNZ ' Guidelines - Resilient Flooring', taking into account AS 1884:2021 and industry best working practices.

After installation, roll the flooring with a 35 to 45kg roller across width and length, as recommended by the flooring manufacturer. Weight down seams as recommended by flooring manufacturer. Adhesive must set for a minimum of 24 hours before exposing to traffic. Do not wet wash or strip floor for 5 days after installation.

Allow a minimum of 24 hours prior to thermal welding of joints and seams.

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#### Clean Up

Remove wet adhesive residue with a clean, white cloth dampened with soapy water. Use mineral spirits for dried adhesive residue, carefully following warnings on the container and floor covering manufacturer's instructions.

**Important notes:** Do not reuse container. Dispose of container and adhesive residue in accordance with local waste disposal regulations. Do not flush adhesive down drains. Freeze thaw stable to -12°C. Avoid low temperatures or multiple freeze-thaw cycles. Before using allow to acclimatise to room temperature. Seek guidance from the floorcovering manufacturer if site conditions differ from the information contained in this Technical Data Sheet.

#### Safety Precautions

Keep Out Of Reach Of Children.

Caution: Irritant.

Avoid eye and skin contact. If eye contact occurs, flush with water for 15 minutes and call physician. Wash skin thoroughly with soap and water. Do not take internally. If swallowed, do not induce vomiting. Call physician immediately. Keep container closed. During the installation process, adequate ventilation of the work area should be maintained without causing the entry of contaminants to other parts of building. A Safety Datasheet Sheet is available upon request, available from the Jacobsen website.

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