

Zada

Precision Adhesion



Technical Data Sheet: Zada-TVA

Timber | Vinyl | Acoustic

Product Description

Zada-TVA is a one component, high performance MS polymer adhesive developed for the installation of timber flooring and acoustic matting systems in residential and commercial environments. The adhesive provides strong adhesion, high elasticity, and effective sound-damping performance, making it suitable for modern flooring systems subject to movement and acoustic requirements.

Zada-TVA has been tested for compatibility with Zada acoustic matting systems, including Zada EchoMat, to ensure reliable bonding performance and system integrity.

The product is solvent-free, isocyanate-free, and low in VOC emissions, supporting safer indoor environments and environmentally responsible construction practices.

Features

- Designed for timber flooring and acoustic matting systems
- Tested for use with Zada EchoMat acoustic underlay systems
- High elasticity to accommodate timber movement
- Strong adhesion to a wide range of substrates
- Crack-bridging capability
- Contributes to reduction of impact sound transmission
- One-component system with no mixing required
- Low-viscosity formulation for improved workability
- Solvent-free, isocyanate-free, low VOC

Uses

Suitable for residential and commercial flooring applications including:

- Engineered timber flooring
- Solid timber flooring with tongue-and-groove systems
- Prefinished and laminated timber flooring
- Timber flooring installed over acoustic matting systems
- Installation of Zada EchoMat acoustic underlay systems
- Plywood, particleboard, and timber subfloors
- Concrete slabs and cement screeds
- Existing ceramic tiles, stone, and other stable hard surfaces

- Flooring installed over electric or hydronic underfloor heating systems
- General bonding of interior and exterior panels, boards, and insulation materials

Not recommended for:

- Timber flooring with fully varnished or sealed undersides
- Traditional solid timber without tongue-and-groove profiles

Technical Specifications

- **Main constituents:** Hybrid MS polymer
- **Appearance:** Smooth paste
- **Net weight:** 15 kg bucket
- **Open time:** Approximately 110 minutes
- **Walkable time:** After approximately 12 hours
- **Ready for sanding:** After approximately 3 days
- **Adhesive strength:** 2.5 N/mm²
- **Elongation at break:** 230%
- **Shelf life:** 12 months

Performance values are based on normal ambient and substrate conditions. Results may vary depending on site conditions and application method.

Coverage

Standard coverage: Approximately 10 – 15 m² per 15 kg

Coverage will vary depending on trowel size, substrate condition, flooring type, and application technique. Figures are provided as a guide only.

Substrate Preparation

Substrates must be structurally sound, fully cured, clean, and dry. All surfaces must be free from dust, oil, grease, paint, old adhesive residues, and contaminants.

Concrete substrates must comply with relevant moisture standards and flooring manufacturer requirements. Highly absorbent or weak substrates may require priming. Existing ceramic or stone surfaces must be thoroughly cleaned and dried. Timber subfloors should be sanded to expose clean timber and vacuumed prior to adhesive application.

Application Method

Adhesive application

- Open the aluminium foil pack inside the pail
- Apply adhesive using a suitable notched trowel
- Ensure consistent and full adhesive coverage
- Install flooring or acoustic matting within the open time
- If surface skin forms after opening, remove before reuse

Installation

- Ensure timber flooring and acoustic materials are properly acclimatised
- Press flooring firmly into the adhesive bed to ensure full transfer
- Maintain expansion gaps of 10 – 15 mm around perimeters and fixed structures
- Avoid adhesive squeeze-out onto exposed edges

Precautions and Storage

Ensure substrates and flooring materials are acclimatised prior to installation. Do not apply the product when ambient or substrate temperatures are below +5°C or above +35°C.

Substrate moisture levels must be within manufacturer limits. Where moisture risk exists, an appropriate vapour barrier should be installed prior to flooring installation.

Store the product in its original unopened container at temperatures below +25°C, protected from direct sunlight and extreme temperature conditions. Shelf life is 12 months when stored correctly.

Health and Safety

Hazard Statement

Causes skin irritation and serious eye damage. May cause respiratory irritation.

Precautionary Measures

Avoid breathing vapours. Use only in well-ventilated areas. Wear protective gloves, protective clothing, and eye protection. Wash thoroughly after handling.

First aid measures

- **Eye contact:** Rinse immediately with clean running water for at least 20 minutes and seek medical attention.
- **Skin contact:** Wash immediately with water. Remove contaminated clothing. Seek medical advice if irritation persists.

- **Inhalation:** Move to fresh air and keep at rest. Seek medical attention if symptoms develop.
- **Ingestion:** Seek medical attention immediately. Rinse mouth with drinking water. Do not induce vomiting.

Australian Poisons Information Centre
13 11 26 (24 hour service)
000 for emergency services

Notes

The information provided in this Technical Data Sheet is based on current knowledge and experience and is given in good faith. Product performance may vary depending on site conditions, substrate preparation, and application techniques.

Disclaimer

To the maximum extent permitted by law, Zada disclaims all warranties relating to loss or damage arising from incorrect use, unsuitable application conditions, or use of out-of-date product. Liability is limited to replacement or refund of the product supplied