

# FRESHLY SQUEEZED ADHESIVES



Bona tubular adhesives for  
smarter, easier installations

**Bona**<sup>®</sup>

# An adhesive system you can count on

Use Bona adhesives with confidence knowing that you are using superior quality products that provide a solid long-term foundation for any timber floor. In fact, Bona adhesives have been used to install more than 120 million square metres of timber floors worldwide.

Bona silane-based adhesives work over a variety of sub-floor types including ply, particle board and concrete and come with built-in moisture barrier and acoustic properties. Bona adhesives are easy to work with and being silane-based, a fast initial bond and curing time means that the floor can be put into full use or sanded in as little as 24 hours.

As well as superior shear strength, Bona silane-based adhesives have excellent 'green grab' which means the flooring stays in place, with less hollow spots. And Bona adhesives will not damage or stain the surface of a pre-finished floor. Bona adhesives contain zero VOCs and are EMICODE1PLUS® certified for very low emissions, which means a safer environment for both contractors and homeowners.



## Freshly squeezed, every time

Bona Tubular adhesives are easy to work with and ensure a clean floor installation without any spills or messy handling.

- ✓ Easy to use foil tubes
- ✓ Easy clean up, will not stain hands
- ✓ Will not mark prefinished floors
- ✓ Reseal & use later with no wastage
- ✓ More convenient to transport
- ✓ More convenient disposal
- ✓ No more bulky buckets
- ✓ 2 year shelf life



## Multiple benefits

Formulated with the perfect balance of elasticity and strength, Bona adhesives adapt to the natural movement of timber flooring.

- ✓ No moisture barrier needed < 80%
- ✓ Excellent green grab and fast curing time
- ✓ Sanding or full use in 24 hours
- ✓ Use with concrete or timber subfloors
- ✓ Will not stain hands
- ✓ Balance of strength and elasticity
- ✓ Acoustic properties



## Solvent free

Silane-based adhesives from Bona provide a healthier environment compared to solvent-based products. Stringent certifications enable architects, designers and installers to ensure a safer environment for their project clients.

- ✓ Silane-based
- ✓ Solvent free
- ✓ Zero VOCs
- ✓ Isocyanate free
- ✓ Classified as non-hazardous



*Sustainability is core to our business. Bona believes it is our responsibility to create high performing products and systems that minimise the impact on the environment and are safe for our customers.*



## Acoustic benefits

Bona silane-based adhesives demonstrate significant acoustic insulation properties. Noise transfer can be reduced as much as 10dB by using Bona adhesives. Further gains can be attained if used in conjunction with acoustic matting.

- ✓ Reduces noise transfer
- ✓ Ideal for apartments
- ✓ Reduces noise by up to 10dB\*
- ✓ Can help exceed NCC requirements<sup>1</sup>

\* Acoustic test by TFI Germany 20-000173-04. 3-Layer strip parquet 14mm glued with Bona Quantum. Impact sound insulation = 10dB according to EN ISO 10140.

<sup>1</sup> In a multi-res construction built in accordance with NCC requirements with reinforced concrete slab, ceiling cavity insulation and 13 mm plasterboard ceiling, a rating up to 52dB is achievable.



# Quantum T<sup>®</sup> Adhesive

Based on Titanium technology, Bona Quantum T<sup>®</sup> delivers the benefits of both strength and flexibility in a single product.

Bona Quantum T<sup>®</sup> is an all round adhesive that provides outstanding adhesion of most timber types and sizes to a wide variety of surfaces. With extremely high shear strength Quantum T<sup>®</sup> can also be used as a combined moisture barrier & adhesive in a single application.

- One-component silane-based adhesive
- Water and solvent free
- Classified non-hazardous - zero VOCs
- Will not stain hands – easy clean up
- High shear strength
- Will not mark prefinished floors
- Excellent green grab - rapid initial bonding strength
- Combined moisture barrier & adhesive application possible
- Sand or full use floor in 24 hours



Standard size 9kg

# R820 Adhesive

Bona R820 adhesive is a great choice for solid timber overlay and engineered timber floors and gives good adhesion to most substrates and timber materials.

With an open time of up to 60 minutes Bona R820 is easy to use and its silane-based formulation means faster curing to enable floors to be sanded or put into full use in as little as 24 hours.

- One-component silane-based adhesive
- Water and solvent free
- Classified non-hazardous - zero VOCs
- Will not stain hands – easy clean up
- High shear strength
- Will not mark pre finished floors
- Excellent green grab - rapid initial bonding strength
- Ideal for engineered or solid overlay timber floors
- Sand or full use floor in 24 hours



Standard size 6kg



## Resealable Tubular Bags

Foil tubes can easily be resealed and reopened at a later date without waste. The adhesive always stays fresh, so compared to plastic buckets, Bona adhesives are more cost effective.

- ✓ No adhesive waste
- ✓ Cost effective usage
- ✓ Use with Bona OptiSpread UX



## Less Plastic Waste

Bona tubular bags means that the use of bulky plastic tubs is eliminated. So less mess on the job site, less rubbish to dispose of and less hard plastic waste into public landfill.

- ✓ No bulky packaging
- ✓ Less clean up and mess
- ✓ Less plastic waste into landfill
- ✓ Easy disposal

# R540 Moisture Barrier

When used in conjunction with Bona adhesives, Bona R540 moisture barrier provides protection against moisture vapour migration up to 95% RH. Using a moisture barrier gives peace of mind and ensures protection against residual moisture.



- One-component moisture barrier
- No wastage
- Water and solvent free
- Easy roll on application
- Acts as primer for absorbent substrates
- 1 or 2 coat application depending on substrate moisture content
- Short over-coating time: 3-4 hours
- Timber may be installed after 24 hours using Quantum T® or R820 adhesive



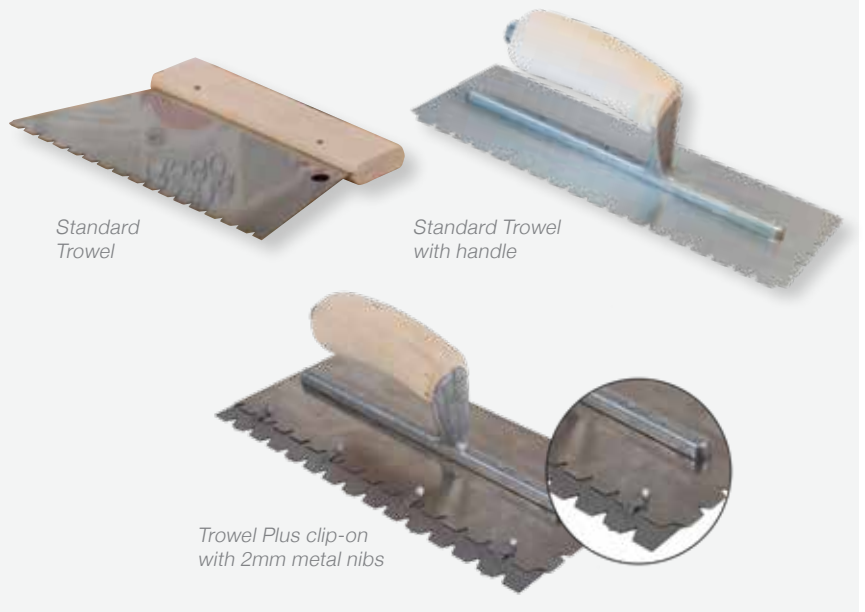
Available in 6kg pack

## Trowel Application

### Standard Trowel or Trowel Plus system

Use a Standard Trowel for normal application, or the Trowel Plus system designed for a double layer application of Bona Quantum T adhesive when used as a combined moisture barrier and adhesive installation.

The Trowel Plus clip-on blade has raised outer nibs which enables you to trowel perfect ribs as well as creating a moisture barrier in one stroke, saving hours of work.



## OptiSpread UX

The Bona OptiSpread UX is the ultimate solution for applying flooring adhesive from a standing position.

The Bona OptiSpread UX provides faster adhesive application with a cordless rechargeable battery that allows adhesive application to be completed up to 5 times quicker, without any strain on your knees or back. Use the OptiSpread UX with Bona 9kg tubular bags.

- Cordless battery operated
- Lightweight and easy to use
- Fast, ergonomic and clean adhesive application
- Anodized aluminum tubing
- Variable head widths
- Powerful Bosch 18.8V drive
- Use with 9kg tubular bags



# Protection Against Moisture

The Bona adhesive system can be used across a variety of application methods to suit your project. Where necessary, select the product for either combined application, or separate moisture barrier and adhesive layer.

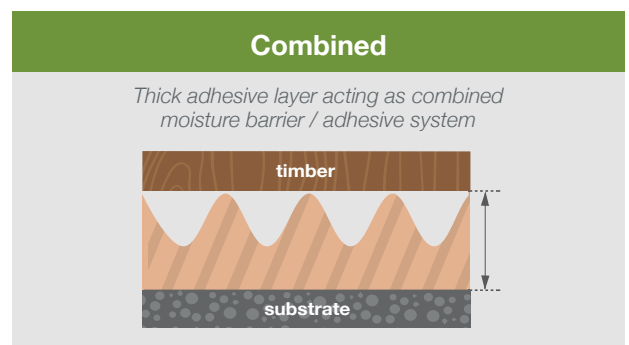
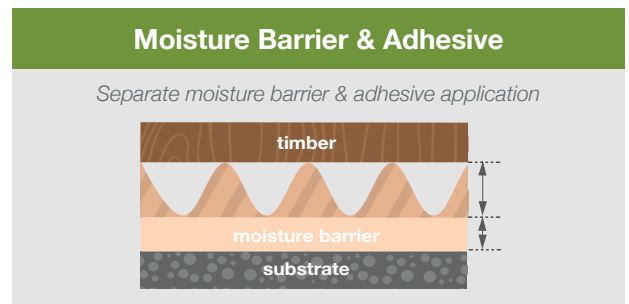
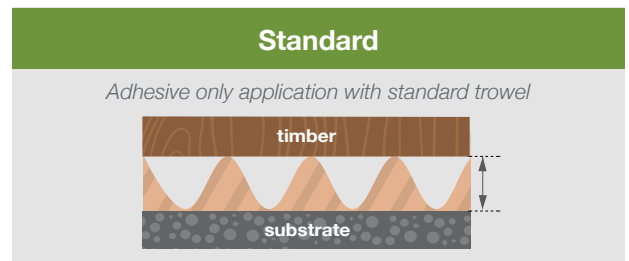
For some floors, rather than apply a separate moisture barrier, use the Bona Trowel Plus system. Apply a thicker layer of adhesive as a combined all-in-one moisture barrier/adhesive system. The time savings of not having to apply separate layers and wait for products to dry, can be a more economical and practical solution.

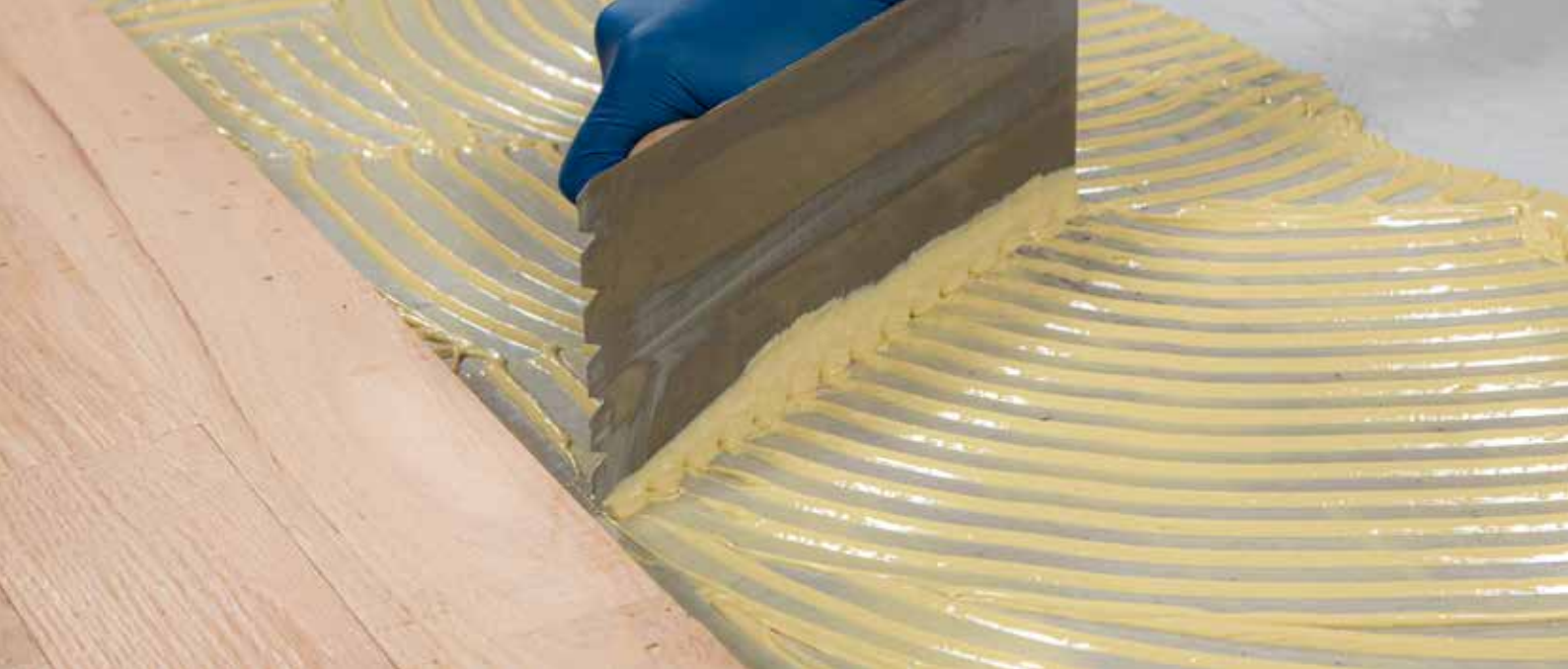
## Application guide

Selecting the right moisture barrier and adhesive combination is one of the biggest factors in a successful installation. The Bona system allows you to decide on a treatment schedule appropriate for the level of moisture in the substrate.

Application using the Bona Trowel Plus allows an extra thick single application, ensuring complete coverage of the concrete floor surface with a moisture barrier and maintaining a rib structure for adhesion. The product quantity required per m<sup>2</sup> with this method is approximately twice that of a standard application to ensure sufficient thickness (approx 2kg/m<sup>2</sup>). If in doubt regarding the moisture content use a higher specification.

Concrete Moisture Content (RH)	Adhesive Type	Moisture Barrier Application
< 80%	Bona <b>QuantumT</b> or <b>R820</b> <i>(Standard application)</i>	<b>Not Required</b>
80% - 90%	Bona <b>QuantumT</b> <i>(Trowel Plus application)</i>	<b>Not Required</b>
	Bona <b>QuantumT</b> or <b>R820</b> <i>(Standard application)</i>	Bona <b>R540</b> 1 coat
90% - 95%	Bona <b>QuantumT</b> <i>(Trowel Plus application)</i>	<b>Not Required</b>
	Bona <b>QuantumT</b> or <b>R820</b> <i>(Standard application)</i>	Bona <b>R540</b> 2 coats





## Installation guide

Bona provides guidelines for coverage rates which optimise the performance of the adhesive used. It is important that the choice of adhesive and the application rate is correct for the flooring being installed as different sizes and types of timber will produce varying amounts of stress.

Detailed in the table is the recommended adhesive for common timber types and sizes. Correct coverage rates ensure a reliable end result. Weigh timber down to ensure no hollow spots remain.

Product	Flooring Type	Coverage
<b>R820</b>	Engineered up to 14mm Solid Overlay 12-14mm Parquetry/Mosaic or Block up to 14mm	1kg per m <sup>2</sup>
<b>QuantumT</b>	Engineered up to 22mm Solid Overlay up to 19mm Parquetry/Mosaic or Block up to 19mm	1kg per m <sup>2</sup>
<b>QuantumT</b>	Acoustic Matting*	.85kg per m <sup>2</sup>

\* Tests should be carried out to ensure suitability of the adhesive and matting in combination. Please consult the appropriate product data sheet for more detailed information.

## Health and safety

Every flooring solution Bona develops is created with the health and safety of both contractors and floor owners in mind. Bona is constantly exploring the limits of technology to develop sustainable products and solutions that are well ahead of legislation, fulfilling all relevant criteria and standards.

### EMICODE® EC1PLUS

Bona adhesives are awarded the EMICODE® EC1PLUS highest rating available meaning they contain less than 3% Volatile Organic Compounds (VOCs). EMICODE® categorises flooring materials and building products into three emission classes reflecting very low emissions.



< 3% VOC



< 5% VOC



< 8% VOC

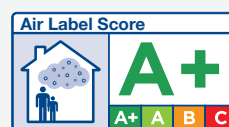
### GREENGUARD

Bona QuantumT is GREENGUARD GOLD indoor air quality certified, which means it is safe for use around your family and your pets. Greenguard GOLD certification is only awarded to low emitting products meeting strict criteria.



### Air Label Score

Bona adhesives are rated A+. The highest rating attainable which indicates VOC levels and indoor air quality standards are the best possible.



### DIBt

German authorities set limitations on emissions from construction products and building elements, ensuring safe levels for people moving back in.





# Over 120 million square metres of timber floors installed worldwide

Bona adhesives have been used in the installation of over 120 million square metres of flooring worldwide. Using the latest silane technology, Bona Adhesives provide outstanding performance to a variety of surfaces and allow for the natural movement of the timber flooring while still remaining firmly adhered to the sub-floor. Bona Adhesives contain no Isocyanates, have zero Volatile Organic Compounds (VOCs) and are safe and easy to use.

Bona products are used in over 90 countries worldwide and are the No1 choice for professional flooring contractors. Bona is the market leader in timber floor finishing products globally.

For further information on Bona Adhesives visit [bona.com.au](http://bona.com.au) or call **1300 882 806**

**Bona**<sup>®</sup>  
Passion for timber floors



**Bona Australia**  
Phone: 1300 882 806  
[bona.com.au](http://bona.com.au)