

Tubular Silane Adhesives



3-in-1 Adhesive, Moisture Barrier
& Acoustic Insulation



Bona[®]

The 3-in-1 Adhesive System you can count on

Bona 3-in-1 silane adhesives give you confidence knowing that you can provide a solid long-term foundation for any timber floor. In fact, Bona superior quality adhesives have been used to install more than 130 million square metres of timber floors worldwide.

Bona silane adhesives are effective on a variety of sub-floor types including ply, particle board, concrete, radiant-heat floors and even stainless steel. With built-in moisture protection up to 95% RH and acoustic insulation properties, Bona adhesives are the perfect balance between elasticity and strength. Using Titanium technology with 4-way curing means fast initial bond and curing time so floors can be put into full use or sanded and finished in as little as 12 hours.

With up to 150% greater shear strength than other elastic and hard elastic flooring adhesives, Bona silane adhesives also have superior initial bond or 'Green Grab' which means the flooring is held firmly to the substrate with fewer hollow spots. In addition, Bona adhesives will not damage or stain pre-finished surfaces and from a safety perspective, contain zero VOCs or Isocyanates and are EMICODE 1PLUS® certified for very low emissions.



Silane Adhesive

Bona tubular silane adhesives are easy to work with and ensure the perfect balance of elasticity and strength.

- Superior Green Grab and fast curing time
- Up to 150% greater shear strength
- Sanding or full use in 12 hours
- Will not mark pre-finished floors
- Easy clean up, will not stain hands
- 2 year shelf life
- Reseal tube & use later with no wastage

Moisture Barrier

Bona silane adhesives form a dense layer that significantly reduces and slows down water vapour transmission from the substrate to the wood flooring.

- Moisture protection up to 95% RH
- No separate moisture barrier needed
- No need to test moisture levels in advance
- Time, labour and material saving
- Easy application with trowel or OptiSpread UX

Acoustic Insulation

Bona silane 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 both in-room sound & noise transfer
- Ideal for apartments
- Reduces noise by up to 10dB*
- Helps exceed NCC requirements¹

* 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.
¹ 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.



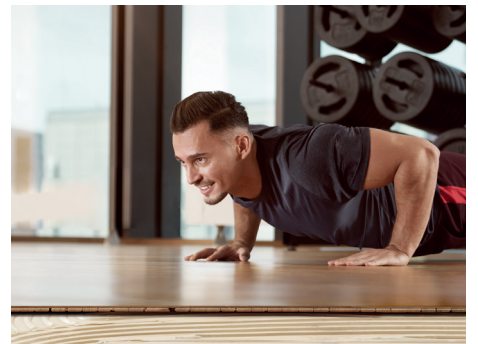
- 150% greater shear strength
- Superior Green Grab
- Ensures strong, reliable bonding in demanding conditions
- Minimises hollow spots
- Quadruple cross-linking enables 4 simultaneous curing processes
- Excellent rib stability during installation
- Fast, easy and clean installation

Titanium Cross-linking Technology

Bona Silane adhesives feature innovative Titanium Quadruple cross-linking technology that utilises four simultaneous curing processes to ensure the adhesive bonds with stability yet still retains elasticity, meaning the floor stays securely in place even in demanding conditions such as temperature and humidity changes. Additionally, it ensures long term durability by protecting against adhesive degradation.

Bona silane adhesives have better initial bond strength or Green Grab than other wood floor adhesives. This strong initial grab holds the flooring in place while the adhesive cures for a more reliable, faster and efficient installation. Assuming the sub-floor meets Australian standards, there is no need to pin or weight the floor down during installation. Used correctly, Bona adhesives eliminate hollow spots. Furthermore, floors are ready to walk on from just 4-6 hours onward, with sanding possible in as little as 12 hours.*

* 20°C / 55% RH.



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 hand trowel or Bona OptiSpread UX

Less Waste, No More Buckets

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 more bulky buckets
- Less clean up, less mess
- Less plastic waste into landfill
- Easy disposal

Isocyanate Free

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

- Silane
- Solvent & Isocyanate free
- Zero VOCs
- Classified as non-hazardous

Bona Quantum T[®]

Bona Quantum T[®] is one of a new generation of silane adhesives that features Bona's innovative Titanium Technology. Four different cross-linking processes ensures rapid curing to enable floors to be walked on in as little as 4-6 hours and sanded in just 12 hours. Choose Quantum T[®] for all solid timber overlay sizes or engineered flooring up to 22mm.

Bona Quantum has up to 150% greater shear strength than other elastic and hard-elastic flooring adhesives and outperforms all adhesives when it comes to initial tensile bond strength or Green Grab. This keeps the timber in contact with the sub-floor while curing to minimise hollow spots.

Quantum T can also be used as a combined moisture barrier and acoustic insulation layer.

Comes in 1kg & 9kg sausages which can be used with the Bona OptiSpread UX.

- One-component silane adhesive
- Cross-linking titanium technology
- Exceptional shear strength
- Superior Green Grab - rapid initial bonding strength
- Walk on in 4-6 hours, sand in 12 hours
- Will not mark pre-finished floors
- Will not stain hands - easy clean up
- Classified non-hazardous - zero VOCs
- 3-in-1 adhesive, moisture barrier & acoustic insulation



9kg Sausage

Bona R820

Bona R820 adhesive is a great all-round choice for fixing up to 105mm wide solid timber overlay or 14mm engineered timber floors over a variety of substrates.

With an open time of up to 60 minutes, Bona's silane formulation with Titanium cross-linking technology means faster curing to enable floors to be walked on in as little as 8 hours or sanded and finished after 24 hours.

Excellent Green Grab properties give rapid initial bond strength to keep timber in place and minimise hollow spots. Bona R820 can be used as a combined moisture barrier and acoustic insulation layer when applied with the Bona Trowel Plus system.

R820 comes in convenient 6kg sausages which eliminate wastage and are easy to dispose of.

- One-component silane adhesive
- Cross-linking titanium technology
- High shear strength
- Excellent Green Grab - rapid initial bonding strength
- Walk on in 8 hours, sand in 24 hours
- Will not mark pre-finished floors
- Will not stain hands - easy clean up
- Classified non-hazardous - zero VOCs
- Effective as a 3-in-1 when used in double layer application



6kg Sausage

Bona OptiSpread UX

The Bona OptiSpread UX is the ultimate solution for applying flooring adhesive. Cordless battery powered application allows the user to operate from a standing position, with ease of use and huge time savings achieved over a total floor installation.

Super Easy and 5 Times Faster

The OptiSpread UX design features top end quality and efficiency, providing fast adhesive application, allowing jobs to be completed up to 5 times quicker, without any strain on your knees or back. This makes the laying of a floor a more enjoyable, faster and cleaner process. The OptiSpread UX is designed for use with Bona 9kg adhesive tubes.

- 5 times faster than trowelling
- Cordless battery operation
- Powerful Bosch 18.8 V drive
- Ergonomic, clean adhesive application
- UX design with lower weight
- Hard coated anodized aluminium tubing
- Variable head widths
- Use with Bona tubular bags



“

We use Quantum T[®] for its superior bonding ability and use the OptiSpread UX for application. It's the best all round glue system I've ever used. As a sole trader I don't know how any floor installer can operate without using the OptiSpread UX. It just makes the job so much easier and more time-efficient. It seems crazy not to use it especially as it pays for itself in a couple of jobs.

Steve Heaton - Coast Flooring, Coffs Harbour



Built-in Moisture Barrier

Bona adhesives can effectively be used as a moisture barrier with application by either OptiSpread UX or trowel. This makes Bona adhesives the perfect choice for installations where substrate moisture is a concern, and avoids the need for separate moisture barrier and adhesive layers.

An effective moisture barrier can be one of the biggest factors in a successful installation. Bona's silane and Titanium cross-linking technology results in low-water permeability. Once cured, Bona silane adhesives form a dense layer that significantly reduces and slows down water vapour transmission from the substrate.

The integrated moisture barrier properties of Bona adhesives give protection against moisture in the substrate, without needing to apply a separate layer of moisture barrier and waiting for the product to dry.

When using Bona Quantum T, a single application at a coverage of 1500g per m² is all that's required to achieve moisture protection up to 95% RH.

Using Bona R820 as a moisture barrier at a rate of 2kg per m² is achieved by applying with the Bona Trowel Plus system. This ensures complete coverage of the concrete floor surface and also maintains a rib structure for adhesion.

- Eliminates separate moisture barrier and adhesive application
- Protects up to 95% RH
- Saves material, labour and time
- Use OptiSpread UX or trowel to apply
- No need to test moisture levels in advance
- Works on multiple substrate types



Trowel Plus Application



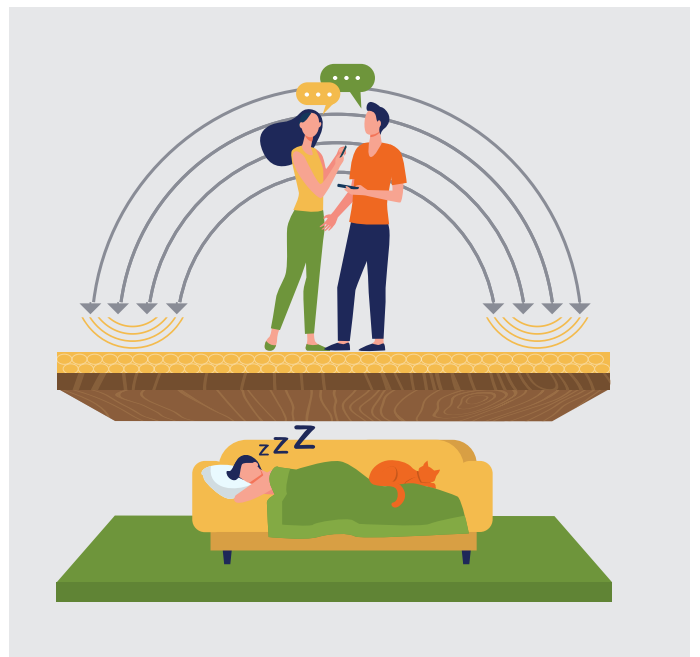
OptiSpread UX Application

Acoustic Insulation

Tested by TFI Germany, Bona silane adhesives demonstrate significant acoustic insulation properties.

Noise transfer can be reduced as much as 10dB by using Bona adhesives according to EN ISO 10140. 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. Further gains can be attained if used in conjunction with acoustic matting.

- Ideal for apartments
- Reduces noise transfer by up to 10dB
- Helps exceed NCC requirements



Bona adhesives reduce both in-room airborne sound and noise transfer

Better for Health and Environment

Every flooring solution Bona develops is created with the health and safety of both contractors and floor owners in mind. Bona silane adhesives contain no isocyanates and zero VOCs putting them well ahead of legislation and fulfilling all relevant criteria and standards. Sustainability is integral to Bona's approach. Bona tubular packaging reduces waste with less impact on the environment.

<p>EMICODE® EC1^{PLUS}</p> <p>Bona adhesives are awarded the EMICODE® EC1^{PLUS} highest rating available meaning they contain less than 3% Volatile Organic Compounds (VOCs). EMICODE® categorises flooring materials and building products into emission classes reflecting very low emissions.</p> 	<p>GREENGUARD</p> <p>Bona adhesives are GREENGUARD indoor air quality certified, which means they are safe for use around your family and your pets. GREENGUARD certification is only awarded to low emitting products meeting strict criteria.</p> 	<p>AIR LABEL SCORE</p> <p>Bona adhesives are rated A+. The highest rating attainable which indicates VOC levels and indoor air quality standards are the best possible.</p> 	<p>DIBt</p> <p>German authorities set limitations on emissions from construction products and building elements, ensuring safe levels for people moving back in.</p> 
--	--	---	---

Coverage Rate Guide

Bona provides guidelines for flooring types and coverage rates to optimise the performance of the adhesive used. It is important that the choice of adhesive and the application rate is correct for the flooring type as different sizes and types of timber will produce varying amounts of stress. Using the correct coverage rate ensures a reliable end result.*

Product	Flooring Type	Coverage Rate per m ² (dependant on flooring dimensions and substrate)
QuantumT[®]	Engineered up to 22mm x 220mm Overlay 14mm x 130mm Parquetry up to 19mm	1kg - 1.5kg 1kg - 1.25kg 1.25kg - 1.5kg *1.5kg when used as moisture barrier
R820	Engineered up to 14mm x 180mm Overlay up to 14mm x 105mm Parquetry up to 14mm	1kg - 1.25kg 1kg - 1.25kg 1.25kg - 1.5kg *2kg when used as moisture barrier

* To achieve the right coverage rate, the appropriate trowel size should be used, depending on the substrate.

Over 130 million square metres of timber floors installed worldwide

Bona adhesives have been used in the installation of over 130 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 or call **1300 882 806**

Bona[®]
Passion for timber floors



Bona Australia
Phone: 1300 882 806
bona.com.au