

MADE IN GREAT BRITAIN



SYSTEM LVT RANGE



A GREAT FINISH STARTS WITH F. BALL

PERFORMANCE AND DURABILITY EVERY TIME

LVT installations offer a high quality finish for a wide range of applications – but correct floor preparation is key to achieving the right results every time.

F. Ball and Co. Ltd. is the UK's leading manufacturer of flooring adhesives and floor preparation products for the contract, commercial and residential flooring industry. Established in 1886, the company's market leading flooring adhesives and ancillary products offer proven reliability for a wide variety of applications including the installation of LVTs.



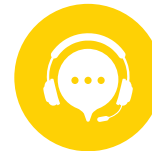
**INNOVATIVE
PRODUCT
DEVELOPMENT**



**OVER 135 YEARS
OF EXPERIENCE IN
MANUFACTURING
FLOORING
INSTALLATION
PRODUCTS**



**STATE-OF-THE-
ART PRODUCTION
CAPABILITIES**



**TECHNICAL
SUPPORT FROM
OUR EXPERTS**

Where a resilient, visually attractive LVT finish is required, it is critical that the right installation products are selected. Smoothing compounds must be used to avoid imperfections in the subfloor from being visible; the most appropriate adhesive should be carefully chosen for the floorcovering being fitted; problematic factors such as subfloor moisture and temperature must be taken into account. F. Ball products ensure these key performance requirements are managed for your LVT project, be it residential or commercial.

UNPARALLELED TECHNICAL SUPPORT

F. Ball provides a one-to-one product recommendation and advice service to help flooring installers get the best results. The F. Ball technical service team responds to 11,000 enquiries each year and can be easily contacted by phone, email or via our social media channels.

RAG[®]

F. BALL RECOMMENDED ADHESIVES GUIDE

By using the F. Ball RAG[®] you can be confident that the adhesive selected will work perfectly – every time.

Choosing the right adhesive for your LVT project makes the installation easier, quicker and guaranteed.

With an array of vinyl floorcoverings on the market and an increased number of adhesives being developed in response, selecting the right product can be a complex task.

The F. Ball Recommended Adhesives Guide (RAG[®]) simplifies this process and ensures flooring installers can be confident in their adhesive selection.

The RAG[®] matches F. Ball adhesive products to more than 6,000 brand name floorcoverings from more than 200 leading international manufacturers. Each recommendation is approved and endorsed by the floorcovering manufacturer concerned. The RAG[®] is available as a printed guide and as an interactive tool, available at www.f-ball.com/RAG and as a download for your phone or tablet so contractors can access information while on site. The online RAG[®] and App are updated throughout the year to ensure the latest recommendations are always accessible.

ONLINE
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PRINT

Request your free printed guide
by calling +44 (0)1538 361633



Our adhesives are tested with the various floorcoverings listed in the RAG[®] and go through a rigorous testing programme which takes 56 days.

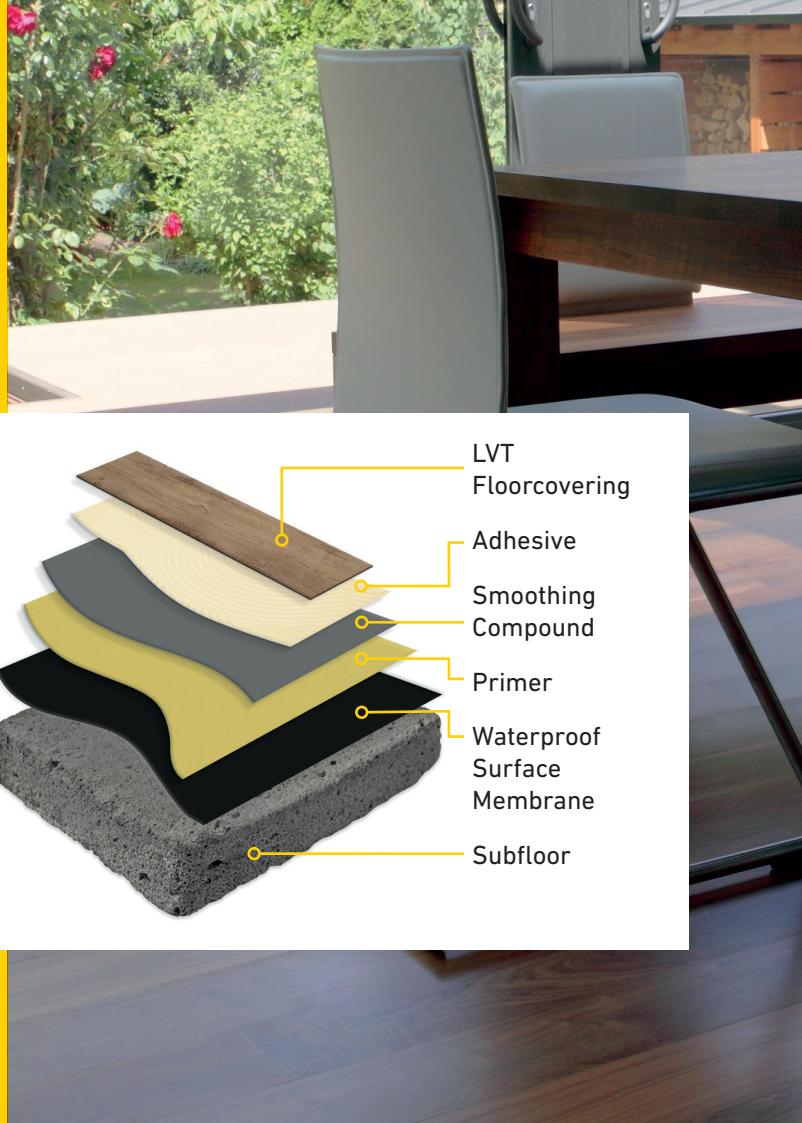
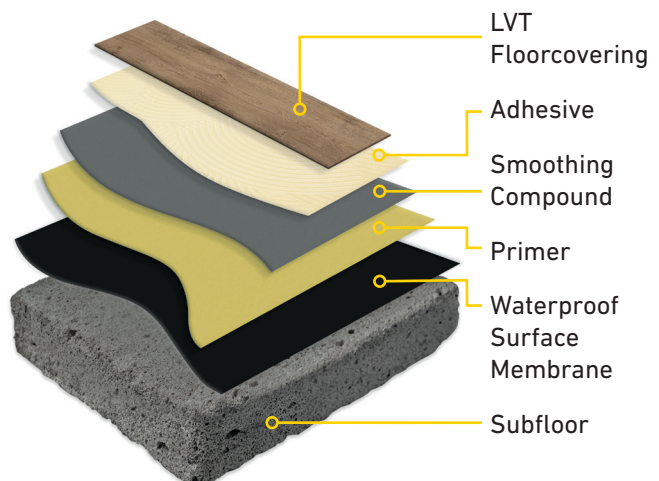
THE EASY WAY TO GUARANTEE YOUR LVT INSTALLATION

LVT floorcoverings have become an increasingly popular choice for a wide range of applications and they demand a high level of subfloor preparation in order to achieve a flawless finish. The impact of not undertaking proper floor preparation can be expensive and disruptive. Not only can even the smallest of blemishes show through and spoil a finish, but without appropriate moisture control and the right adhesive, coverings can quickly debond leading to the floorcovering having to be removed and replaced.

In response, F. Ball has developed the System LVT range: a comprehensive subfloor preparation system that helps you to achieve optimum results when installing LVTs. The F. Ball System LVT range includes all the products flooring installers will need to ensure a perfect installation every time.

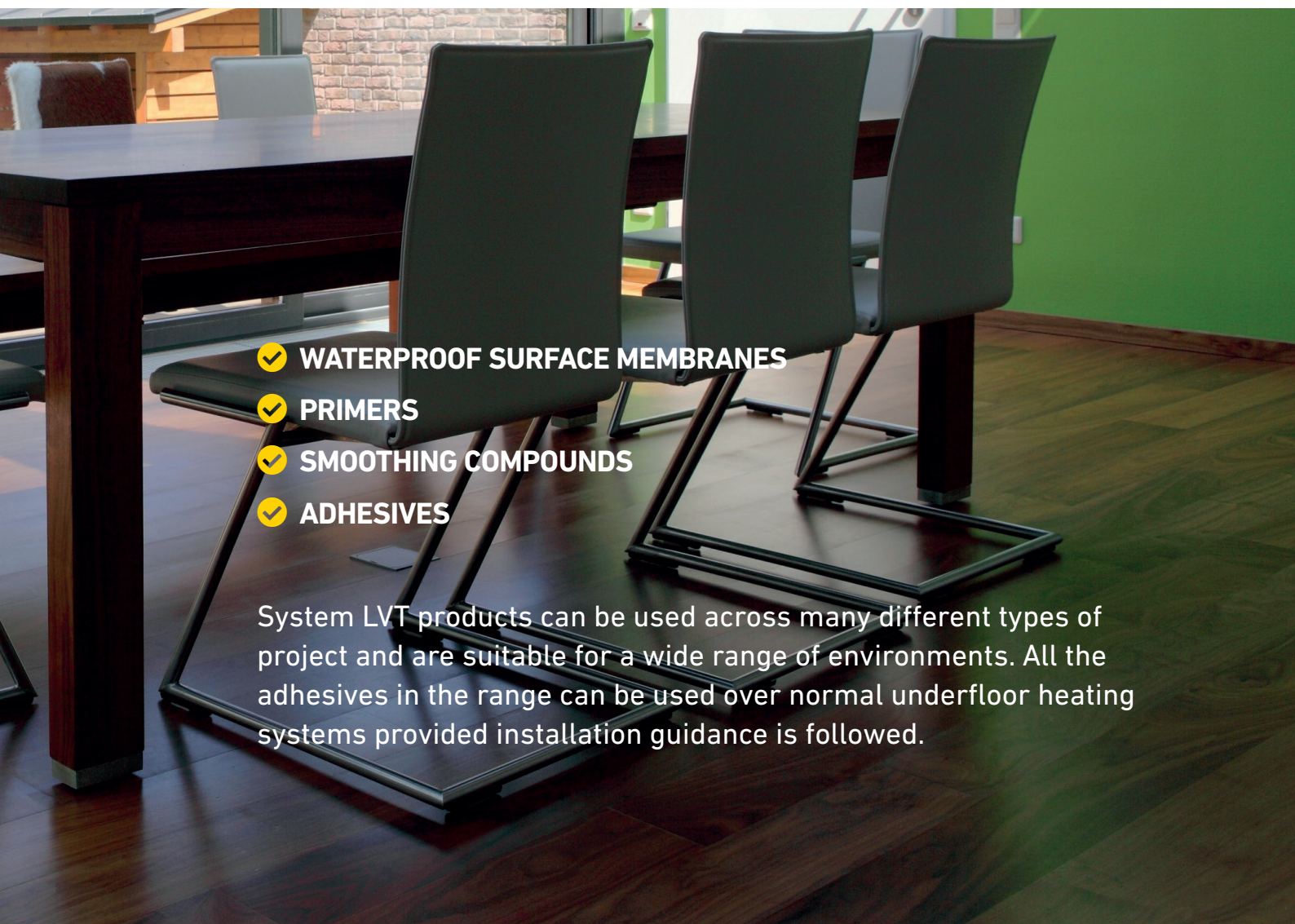
The preparation layers crucial for a perfect LVT finish.

High quality floorcoverings rely on the floor beneath them being dry, sound and smooth. A system of products is needed to achieve this - beginning with a damp proof membrane and primer, which is overlaid by a smoothing compound that ensures an ultra-smooth finish. Specialist adhesives are then applied to ensure your floor performs as you need it to.





Crucially, because the entire system is provided by us, contractors avoid compatibility issues and benefit from the F. Ball product guarantee. We offer a wide range of products to suit every installation environment, and with the F. Ball RAG® at their fingertips contractors can be sure they are using the correct products for the LVT floorcovering being installed.



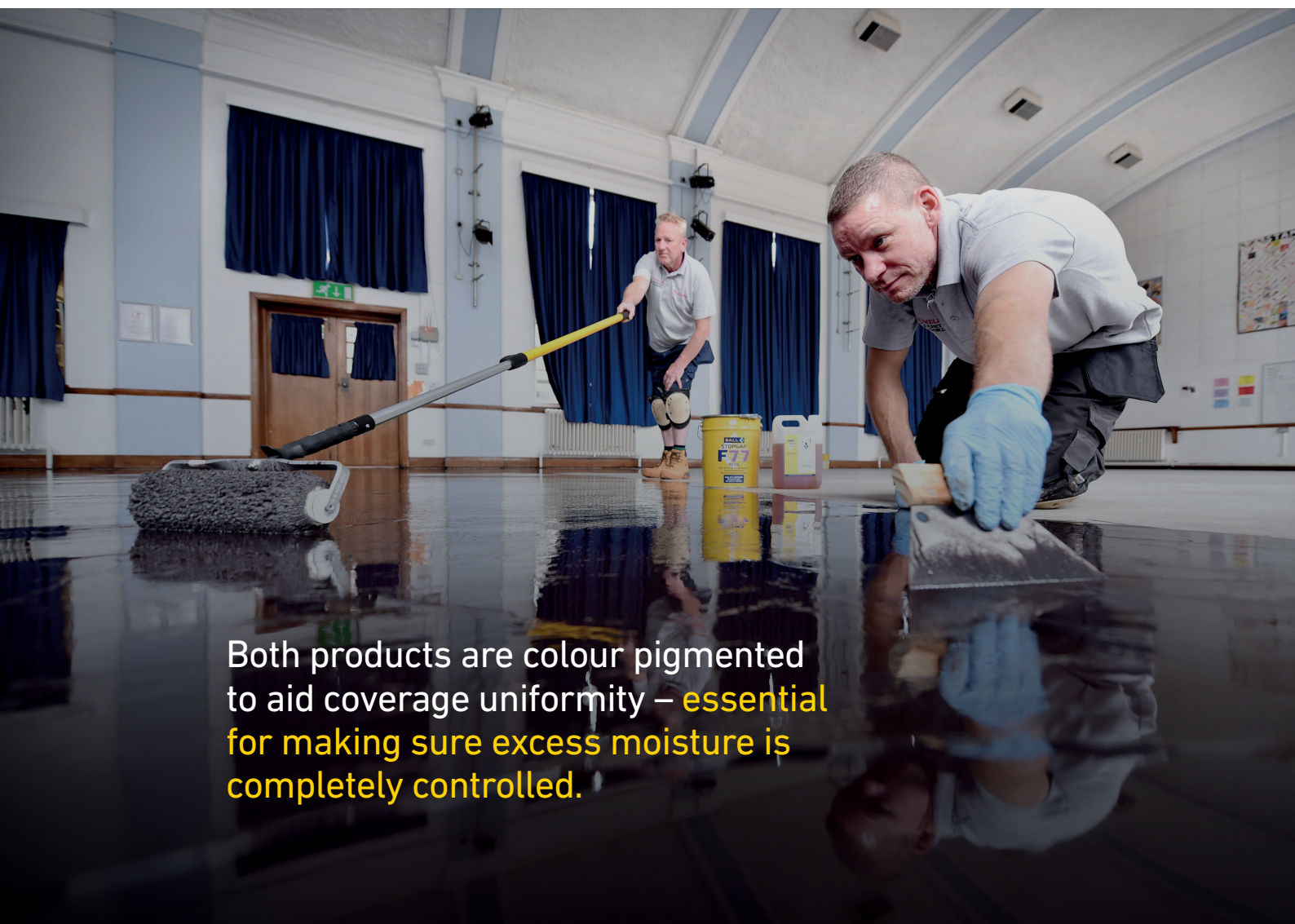
- ✓ **WATERPROOF SURFACE MEMBRANES**
- ✓ **PRIMERS**
- ✓ **SMOOTHING COMPOUNDS**
- ✓ **ADHESIVES**

System LVT products can be used across many different types of project and are suitable for a wide range of environments. All the adhesives in the range can be used over normal underfloor heating systems provided installation guidance is followed.

EXCESS MOISTURE? SYSTEM LVT HAS IT COVERED

F. Ball's high performance waterproof surface membranes provide a critical layer of protection for LVT projects.

Applying a waterproof surface membrane is the first step towards ensuring a quality LVT installation. Excess subfloor moisture, whether residual construction moisture, rising damp or even due to flooding, is the leading cause of floor failure, resulting in costly recalls and delays. Waterproof surface membranes act as a barrier between the subfloor and your choice of flooring product.



Both products are colour pigmented to aid coverage uniformity – **essential for making sure excess moisture is completely controlled.**

WATERPROOF SURFACE MEMBRANES

STOPGAP F77



STOPGAP F78



HIGH PERFORMANCE, ONE COAT SYSTEM

- ✔ Used to isolate residual construction moisture or rising damp up to 98% Relative Humidity
- ✔ Can be applied direct to underfloor heating screeds with Relative Humidity reading up to 90%
- ✔ Single coat application
- ✔ Cures in approximately 3 hours

The System LVT range features two high performance, solvent free waterproof surface membranes – Stopgap F77 and Stopgap F78.

Stopgap F77 can be used to isolate residual construction moisture and rising damp where relative humidity (RH) values are up to 98% or where there is no effective integral DPM. It can also be applied directly over underfloor heating screeds where RH values do not exceed 90%. Stopgap F78 isolates residual construction moisture where RH values are up to 95%. Cures in approximately 3 hours.

FAST DRYING, ONE PART SYSTEM

- ✔ Ready to use system – no mixing required
- ✔ Used to isolate residual construction moisture up to 95% Relative Humidity
- ✔ Rapid drying system for fast-track projects
- ✔ No priming required with smoothing compounds

Both products are colour pigmented to aid coverage uniformity – essential for making sure excess moisture is completely controlled.

Requiring just a single coat application, Stopgap F77 is a great choice if time is of the essence. Similarly, Stopgap F78 is a one part system requiring no mixing and dries rapidly, from 30 minutes, allowing contractors to get on with the job with minimum of delay.

PRIMED AND READY TO GO

Priming is recommended to promote the adhesion of smoothing compounds over absorbent and non-absorbent surfaces. Priming, in relation to adhesives, helps to prevent the applied coat weight of water-based adhesive being reduced, due to the high absorbency of substrates such as plywood, concrete and screeds.

Priming can help to prevent 'pinholing'. These are small holes in the smoothing compound that have the appearance of pinholes or blisters, caused by the slow escape of air from absorbent surfaces as the smoothing compound dries.

If an adhesive or compound dries too quickly they may not achieve the desired bond strength required. Priming also aids workability of the compound to maximise product flow and working time.



Make sure you're primed and ready
with F. Ball's System LVT range.

PRIMERS

STOPGAP P131



GENERAL PURPOSE PRIMER

- ✓ Neoprene emulsion primer
- ✓ Prevents rapid drying of adhesives and smoothing compounds
- ✓ Pigmented to help control coverage
- ✓ Promotes adhesion of Stopgap smoothing compounds to absorbent and non-absorbent surfaces

F. Ball's Stopgap P131 is a neoprene emulsion primer designed to prevent rapid drying of adhesives and compounds. It promotes the adhesion of Stopgap smoothing compounds to both absorbent and non-absorbent surfaces.

STOPGAP P141



PRIMER FOR NON-ABSORBENT SURFACES

- ✓ Acrylic Primer
- ✓ Provides textured surface for increased adhesion of Stopgap smoothing compounds to non-absorbent surfaces
- ✓ Pigmented to help control coverage
- ✓ Fast drying - from 15 minutes

Meanwhile, Stopgap P141 promotes the adhesion of Stopgap smoothing compounds to non-absorbent surfaces. It is an acrylic primer designed to provide a textured surface, guaranteeing increased adhesion.

SMOOTHING THE WAY

A sound foundation for the perfect LVT installation.

To smooth the way for the installation of LVTs, a high-performance smoothing compound with the appropriate properties for the job at hand/ environment should be applied.

Subfloors can also be uneven, so a smoothing compound will help to fill any indentations or imperfections and provides an ultra-smooth foundation for the subsequent floorcovering installation.

STOPGAP 300



STOPGAP 700



Whatever your LVT needs, our compounds will get the job done.

IDEAL FOR HEAVY DUTY AREAS

- ✓ High compressive strength
- ✓ Excellent self-smoothing properties
- ✓ Fast-setting
- ✓ Water-mix
- ✓ Suitable for hand or pump application
- ✓ Application thickness from 2–20mm

F. Ball's Stopgap 300 is a heavy duty, rapid-hardening water mix compound designed for use on both absorbent and non-absorbent interior subfloors in areas that are subjected to heavy-duty traffic. It offers excellent self-smoothing properties.

IDEAL FOR FLEXIBLE SUBFLOORS

- ✓ Fibre-modified for increased flexibility
- ✓ Designed for use over plywood and steel
- ✓ Fast-drying technology
- ✓ Long working time
- ✓ Excellent self-smoothing properties
- ✓ Application thickness from 2-10mm

Preformed subfloors, such as plywood or steel, can move slightly when subject to normal foot traffic, potentially leading to cracks in the smoothing compound. This calls for a flexible smoothing compound such as F. Ball's Stopgap 700, a fibre-modified compound which renders small movements in flexible subfloors harmless.

SMOOTHING COMPOUNDS

STOPGAP 1200



STOPGAP 1500



STOPGAP 1600



IDEAL FOR MINIMAL PREPARATION

- ✓ Suitable direct to adhesive residues and waterproof surface membranes
- ✓ Moisture tolerant - can be used under STOPGAP waterproof surface membranes
- ✓ Fast-setting, fast-drying
- ✓ Excellent self-smoothing properties
- ✓ Application thickness from 2-10mm

Our high-performance Stopgap 1200 is also part of the System LVT range. This fast-setting, fast-drying smoothing compound is particularly suitable for use over old adhesive residues including bitumen and carpet tile tackifiers without the need for priming and removes the need for mechanical preparation of the subfloor.

IDEAL FOR ADHESIVE RESIDUES

- ✓ Suitable direct to adhesive residues and waterproof surface membranes
- ✓ Moisture tolerant - can be used under STOPGAP waterproof surface membranes
- ✓ Fast-setting, fast-drying
- ✓ Excellent self-smoothing properties
- ✓ Application thickness from 2-10mm
- ✓ Water-mix

Our most advanced water-mix smoothing compound is a fast-setting, fast-drying, water-mix smoothing compound suitable for preparing sound internal subfloors prior to the installation of new floorcoverings. It can be applied directly over old adhesive residues such as bitumen and carpet tile tackifiers without the need for priming and removes the need for mechanical preparation of the subfloor.

IDEAL FOR UFH SYSTEMS

- ✓ Suitable for use over both electrical wired and water-fed underfloor heating and cooling systems
- ✓ Fibre-reinforced
- ✓ Fast drying
- ✓ Easy to mix and apply
- ✓ Suitable for hand or pump application
- ✓ Application thickness from 3-40mm

Stopgap 1600 is a fibre-reinforced smoothing compound for new or existing internal floor refurbishments in both domestic and commercial environments. It has been developed for use over both electrical and water-fed underfloor heating systems.

STICK WITH THE BEST

Our wet-set, pressure sensitive and temperature tolerant adhesives are perfect for LVT installations.

We have a range of adhesives that are specially designed for the installation of LVT floorcoverings. They each offer specialist performance characteristics and the most appropriate adhesive to use will depend on the type of LVT being installed, environmental conditions and timescale of the project. We would always recommend consulting the F. Ball Recommended Adhesives Guide for advice on adhesive compatibility.



We have specialist adhesives suitable
for all types of LVT installations.

LVT ADHESIVES

STYCCOBOND F44



IDEAL FOR VINYL SHEET AND TILE

- ✓ Wet-set
- ✓ High bond strength
- ✓ Strong initial tack
- ✓ Long open time
- ✓ Withstands wet cleaning
- ✓ Solvent free

Wet-set adhesives can be used to install almost any type of resilient floorcovering. F. Ball's Styccobond F44 is a wet-set acrylic adhesive that offers high bond strength, strong initial tack and a long open time. It is suitable for the installation of vinyl sheet and tile, including LVT.

STYCCOBOND F46



IDEAL FOR HIGH DESIGN LVT FLOORING

- ✓ True pressure sensitive properties
- ✓ Dries to a permanently tacky film
- ✓ Infinite open time
- ✓ Excellent plasticiser resistance
- ✓ Can be rolled to prevent 'grin-through'

If an immediate bond is required, pressure sensitive adhesives are the best choice for installing vinyl tiles or planks. Once dry, they form an instant grab upon contact, so contractors don't need to worry about coverings sliding about when they are working, making them an ideal option for creating intricate patterns.

F. Ball's Styccobond F46 is specially formulated for this type of installation and reduces the incidence of trowel serrations shadowing through thinner vinyl flooring, such as LVT - a common problem that is known as 'grin-through' - which will compromise the finished appearance of an installation.

LVT ADHESIVES

STYCCOBOND F48 PLUS



STYCCOBOND F49 HYBRID PS



STYCCOBOND F58 PLUS



IDEAL FOR HIGH TEMPERATURE AREAS

- ✓ High resistance to both heat and PVC plasticisers
- ✓ Wet-set
- ✓ Fibre-reinforced
- ✓ Excellent initial grab
- ✓ Fast-drying
- ✓ High strength
- ✓ Excellent dimensional stability

IDEAL FOR EXTREME TEMPERATURES

- ✓ Water-based pressure sensitive adhesive
- ✓ Temperature tolerant - use in ambient temperatures from -20°C to +60°C
- ✓ High strength and high grab
- ✓ Rapid curing
- ✓ Water-resistant
- ✓ Can also be used to install PVC backed skirting, coving and capping

IDEAL FOR FAST-TRACK LVT INSTALLATIONS

- ✓ Fibre-reinforced
- ✓ Fast-drying
- ✓ Long working time
- ✓ Excellent grab
- ✓ Can be used as a wet-set or pressure sensitive adhesive

Where extreme temperature fluctuations are anticipated the F. Ball System LVT range includes two premium quality, temperature tolerant adhesives – fibre-reinforced F48 PLUS for high temperature areas and F49 Hybrid PS, which is a pressure sensitive, water-based adhesive ideal for use in areas with extreme temperature fluctuations from -20°C to +60°C, such as conservatories or heavily glazed areas.

The LVT adhesive range is completed by F58 PLUS which uses the latest adhesive technology and can be used as a wet-set, semi-wet or pressure sensitive adhesive. Its fast-drying formulation means that it is ideal for fast-track LVT installations.

STYCCOBOND LVT ADHESIVES SELECTOR CHART

The chart below can be used to determine the best adhesive for the job.

We would always recommend consulting the F. Ball RAG® or contact the F. Ball technical department for more information.

	STYCCOBOND F44	STYCCOBOND F46	STYCCOBOND F48 PLUS	STYCCOBOND F49 HYBRID PS	STYCCOBOND F58 PLUS
Primary role	Wet-set, high bond.	True pressure sensitive for high design LVT.	Wet-set, high temperature grade.	Pressure sensitive for areas of extreme temperature variations.	Fast-drying, transitional pressure sensitive.
Features	High bond strength. Strong initial tack.	True PS. Infinite open time. Excellent plasticiser resistance.	Wet-set. Fibre reinforced. Excellent dimensional stability	High temperature tolerance (-20°C to +60°C). Suitable for wet rooms. Also suitable for securing PVC skirting, coving and capping.	Easy to use - wet-set, semi-wet or pressure sensitive. Fibre-reinforced. Fast-drying.
Open time (minutes)	60	Infinite	30	420*	180
Lay LVTs from (minutes)	10 to 15	40	5	10	5 to 10
Wet-set	●		●		●
Transitional				●	●
Pressure sensitive		●		●	●
High temperature			●	●	
Fibre-reinforced			●		●
Moisture tolerant				●	
Suitable with UFH	●	●	●	●	●
Coverage	Up to 4m ² per litre	Up to 5m ² per litre	Up to 4m ² per litre	Up to 6m ² per kilo	Up to 6m ² per litre

*pot life + open time

CASE STUDIES

F. Ball products are used extensively in the installation of LVT floorcoverings across a wide range of market sectors.



ENGLISH SPIRIT DISTILLERY

F. Ball gets into the spirit at new distillery.

Products from F. Ball helped transform a disused agricultural building into a new state-of-the-art distillery and visitor centre at Treggudick Manor, Cornwall. A variety of floorcoverings, including vinyl sheet and tiles, were installed throughout the 620m² space at the English Spirit Distillery.

Contractors primed the surface using Stopgap P141 primer, which is designed especially for use over non-absorbent surfaces. Once dry, Stopgap 300 smoothing compound was applied in the kitchen that serves the café – the product's heavy-duty properties will enable floors to withstand being subject to heavy wheeled equipment. Elsewhere, Stopgap 1200 high performance smoothing compound was used to create a perfectly smooth base for new floorcoverings.

Styccobond F48 PLUS was chosen to install Altro Ensemble wood-effect LVTs in the restaurant and shop areas. The temperature tolerant adhesive holds floorcoverings in place when subject to high temperatures, which are expected in the building as a result of its large glass front. Fibres in the adhesive also provide high initial grab, a benefit when installing LVTs.

FLOORING BY HENTON

F. Ball products spark conversations at 'Flooring by Henton' refurbishment.

Carpet and flooring specialist, 'Flooring by Henton' opted for Stopgap 1200 smoothing compound and Styccobond F48 PLUS high temperature grade vinyl adhesive to achieve a high quality LVT floor finish in the company's own showroom: offering visitors instant visual endorsement of the company's workmanship and attention to detail.

The first point of action for flooring contractors was to remove old carpet, LVT and wood floorcoverings from the 90m² floor of the showroom. Contractors then applied Stopgap 1200 smoothing compound over the entire subfloor to create a perfectly smooth base for the receipt of floorcoverings.

The main area of the showroom has a large glass front, with the potential to cause solar gain and extreme temperatures. Therefore, Styccobond F48 PLUS high temperature grade vinyl adhesive was selected to install wood-effect vinyl planks to ensure the floorcoverings would hold firmly in place when exposed to extreme temperatures.



MACCLESFIELD FC

New F. Ball adhesive nets a quick result for Macclesfield FC.

Players at Macclesfield FC enjoyed a speedy win thanks to the help of F. Ball's recently launched Stycobond F58 PLUS. The 'no time to wait' adhesive made quick work of the installation of LVT floorcoverings as part of the creation of a new state-of-the-art gym at the Leasing.com stadium.

Developed as a 'transitional adhesive', Stycobond F58 PLUS transitions from a wet-lay state when initially applied to the subfloor, through a tacky semi-wet stage to become fully pressure sensitive.

Stycobond F58 PLUS was used to affix charcoal-grey, wood-effect Kährs Calder Herringbone LVTs to create a bold statement in the main weights, cardio and boxing rooms, and changing areas. Contractors were able to lay the floorcoverings into the adhesive from five minutes after its application and benefitted from the three hour extended open time, allowing large areas of adhesive to be applied in one application without risking late placement of the floorcovering. Further, fibres in the adhesive reduce the lateral movement of floorcoverings, whilst still allowing for their removal and repositioning as needed, helping to create the intricate design.



CARDIFF CASTLE

F. Ball products create unassailable flooring finish at Cardiff Castle.

Stopgap 1200 smoothing compound and Stycobond F49 Hybrid PS temperature tolerant, pressure sensitive vinyl adhesive, have been used in a resilient flooring installation capable of withstanding high temperatures as part of the refurbishment of Cardiff Castle visitor centre.

Flooring contractors were commissioned to remove old floorcoverings and prepare the subfloor prior to installing luxury vinyl tiles over a total area of approximately 200m² in the visitor centre.

Stycobond F49 Hybrid PS temperature tolerant, water-based, pressure sensitive vinyl adhesive was chosen to install Gerflor Creation 70 stone-effect luxury vinyl tiles over the prepared subfloor. The hybrid adhesive develops the extremely high bond strength required to hold floorcoverings firmly in place in areas exposed to extreme temperature fluctuations (as low as -20°C and up to +60°C).

Following application of Stopgap P131 general-purpose primer, Stopgap 1200, a fast-setting, fast-drying, two-component smoothing compound, was then applied at a thickness of 4-5mm over the entire subfloor to create a perfectly smooth base for the receipt of new floorcoverings. Suitable for use over old adhesive residues, Stopgap 1200 is able to accept foot traffic in as little as one hour after application and is ready to receive new floorcoverings from four hours later. In many cases when applied over old adhesive residues, there is no need to apply a primer beforehand, saving further time and expense.

TRAINING COURSES

FIRST CLASS TRAINING FOR FLOORING PROFESSIONALS

The F. Ball Centre of Excellence provides free first class training for flooring professionals.

Improve your skills and knowledge in our new look F. Ball Centre of Excellence.

Our state-of-the-art training and demonstration facility located in Staffordshire, offers a dynamic, hands-on learning experience.

The F. Ball Centre of Excellence reflects our aim of inspiring the highest levels of professional skill along with knowledge of cutting-edge flooring installation methods to help flooring contractors work to ever higher customer expectations with increasing ease and efficiency.

We offer FREE training courses to all flooring professionals, which run all year round, including one and two day courses on subfloor preparation, including moisture measurement and control, floor smoothing compounds and adhesive selection.

F. Ball Centre of Excellence
Working Together For A Better Finish

NEW COURSES INCLUDE A THREE-DAY COURSE ON ACHIEVING OPTIMUM RESULTS WHEN INSTALLING LUXURY VINYL TILES AND A FOUR DAY MASTERCLASS ON SUBFLOOR PREPARATION AND FLOORCOVERING INSTALLATION FOR APPRENTICES.



BOOK YOUR PLACE!

- ✓ Expert training
- ✓ Free to attend
- ✓ Hands on training
- ✓ Improves awareness of latest product innovations
- ✓ Specialist courses available
- ✓ New three-day LVT installation course
- ✓ Includes a behind the scenes tour of the F. Ball production facility
- ✓ FREE F. Ball tool kit when you attend F. Ball training courses

CHOOSE ONE OF THE OPTIONS BELOW TO BOOK ONTO OUR FREE TRAINING COURSES



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www.f-ball.com



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Email us at training@f-ball.co.uk



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