



Luvanto Design

Luxury Design Flooring

Installation Guidelines



PREPARATION

1. PREPARATION FOR Luvanto

a. ACCLIMATISATION

Luvanto should be left in its packaging and laid in the centre of the room in which it is to be fitted for 24 hours prior to installation. Do not stand the flooring upright against a wall – it must be laid flat to maintain its shape.

During the acclimatisation period, the temperature in the room should be kept at a constant anywhere between 18°-26°C. Luvanto should not be installed externally or in unheated locations.

b. SUBFLOOR PREPARATION

The finished appearance of a Luvanto floor is only ever as good as the quality of the base over which it is installed. The floor should be fitted to a concrete or timber subfloor that is hard, smooth, clean, dry and without defects. The subfloor should also be free from damp, rot, fungal or insect infestation.

i. PRECAUTIONS

- Latex and water-based levelling compounds are not suitable for timber subfloors or where underfloor heating is present.

- Fibrous levelling compounds should be mixed with the highest recommended level of water content for a smooth finish.

- The following subfloor preparation guidelines are only applicable to subfloors without underfloor heating. For guidance on underfloor heating see section 2..

ii. CHECKING MOISTURE LEVELS

In all cases, the moisture level in the subfloor must be checked using a hygrometer. Failure to protect against moisture may cause the adhesive to fail.

Screeded Subfloors

If the Relative Humidity (RH) level marginally exceeds 70%, a liquid damp proof membrane (DPM) is required. For RH readings above 75%, the subfloor must be left to dry out further.

If a DPM is necessary, we recommend applying two coats before the application of Luvanto adhesive. The DPM and adhesive will work in unison to improve the overall level of moisture protection.

Please note: a liquid DPM is only effective for managing moisture levels up to 95%.

Timber Subfloors

Moisture levels must read between 7-11% Wood Moisture Equivalent (WME). If the reading is outside this range, a damp proof membrane is required.

We recommend using a DPM followed by FastFit (see c. FastFit) or a plywood overlay fitted above a barrier paper.

iii. SCREEDED SUBFLOORS

New Screeds (sand and cement)

- The floor must be completely dry. We advise that you check with the manufacturer for screed drying times but as a guide: one day of drying should be allowed per mm of screed up to a thickness of 50mm.

For any greater thickness, the drying time should be doubled thereafter. For example, a 50mm screed could take 2 months to dry out while a 100mm screed might take around 6 months.

- The surface must be level and free of grooves or score marks. Slight irregularities can be eradicated with a latex or water-based levelling compound (minimum thickness 3mm).
- Alternatively, FastFit can provide a quick and easy floor levelling solution (see c. FastFit).

- Any dust, debris or foreign matter must be brushed or vacuumed from the surface prior to fitting.
- If a liquid DPM is required, a minimum of 2 coats is recommended.

Existing Screeds (sand & cement)

- The surface must be thoroughly cleaned of any contaminants such as paint, grease and plaster. Solvents should not be used for cleaning.
- Any cracks, grooves and holes must be filled.
- The surface must be brushed or vacuumed to remove all foreign matter.
- Slight irregularities can be eradicated with a latex or water-based levelling compound (minimum thickness 3mm).
- Significantly uneven surfaces will require the application of a fibrous levelling compound. If the surface isn't completely smooth after initial levelling, retouch with a feathering compound.
- As an alternative to a levelling compound, FastFit can provide a quick and easy floor levelling solution (see c. FastFit).
- If a liquid DPM is required, a minimum of 2 coats is recommended.

Anhydrite, Gypsum or Calcium Sulphate

- The surface must be thoroughly cleaned of any contaminants such as paint, grease and plaster. Solvents should not be used for cleaning.
- Any cracks, grooves and holes must be filled.
- The surface must be brushed or vacuumed to remove all foreign matter.
- Slight irregularities can be eradicated with a latex or water-based levelling compound. Prime the surface before applying the levelling compound to a minimum thickness of 3mm.
- Significantly uneven surfaces will require the application of a fibrous levelling compound. If the surface isn't completely smooth after initial levelling, retouch with a feathering compound.
- As an alternative to a levelling compound, FastFit can provide a quick and easy floor levelling solution (see. c. FastFit).
- It is not suitable to apply a liquid DPM to an anhydrite screed to speed up the installation. You will have to wait until the screed is sufficiently dry. You can however, accelerate the drying process with the use of underfloor heating (if present) or dehumidifiers. We advise that you check with the manufacturer beforehand.

Asphalt or Bitumen

- This type of subfloor is typically a black and brittle, hard layer. Remove as much of the material as possible to lower the risk of future problems arising from the subfloor.
- Apply a primer followed by a fibrous levelling compound to a minimum thickness of 2mm. If after levelling, the surface isn't completely smooth, retouch with a feathering compound.
- The surface must be allowed to dry thoroughly (below 70% RH) before installing Luvanto. Please consult the manufacturer for specific drying times.
- As an alternative to a levelling compound, FastFit can provide a quick and easy floor levelling solution (see. c. FastFit).

iv. TIMBER SUBFLOORS

Joists

- Joists must be overlaid with at least 18mm of plywood to provide a structurally sound surface (see 1. b. iv. Plywood Overlays).

Floorboards

- Any loose boards should be secured and any broken boards replaced.

- There must be adequate ventilation between the underside of joists and the ground to prevent dry rot.
- ‘Springy’ boards or floors that give when walked on are not suitable. These should be removed and replaced.
- Overlay the floorboards with at least 6mm of flooring grade plywood to provide a suitable surface for Luvanto to be installed (see 1. b. iv. Plywood Overlays).
- As an alternative to a plywood overlay or levelling compound, FastFit can provide a quick and easy floor levelling solution (see. c. FastFit).

Chipboard, Weyroc, OSB or Particleboard

- Overlay with at least 6mm of flooring grade plywood to provide a suitable surface for Luvanto to be installed (see 1. b. iv. Plywood Overlays).
- Alternatively, a fibrous levelling compound can be applied to a minimum thickness of 2mm. If the surface isn’t completely smooth after initial levelling, retouch with a feathering compound.
- The levelled floor must be allowed to dry thoroughly (below 70% RH) before installing Luvanto. Please consult the compound manufacturer/s for specific drying times.

- As an alternative to a levelling compound, FastFit can provide a quick and easy floor levelling solution (see. c. FastFit).

Wood Block Floors or Wood Mosaic Panels

- The floor covering should be lifted and any residual adhesive or bitumen removed. The subfloor should then be prepared appropriately (see 1. b. iii. Screeded Subfloors and iv. Timber Subfloors).

Plywood Overlays

- Plywood boards should be Class 3 exterior grade, glue bond EN 314-2:1993.
- When laid over an existing subfloor, the thickness of the boards should be at least 6mm and then determined by the condition of the sub-surface and the traffic intensity in the room.
- If the plywood is being used to provide a structural floor (i.e. directly over joists), current building regulations stipulate that the thickness of the boards must exceed 18mm.
- The panels should be allowed to acclimatise in the room for several days before installation. Please consult the plywood manufacturer for a more exact acclimatisation period.

- Fit the boards with screws or staples (barbed or serrated) at 150mm centres.
- When the boards have been fixed in position, a feathering compound should be applied to ensure that any screws or staples are flush with the surface and to eradicate any lips, dents and joins.
- If the plywood surface is particularly uneven, apply a fibrous levelling compound. If the surface isn't completely smooth after initial levelling, retouch with a feathering compound.
- Ensure the surface is allowed to dry completely before installing Luvanto. Check with the manufacturer for specific compound drying times.
- As an alternative to a levelling compound, FastFit can provide a quick and easy floor levelling solution (see. c. FastFit).

v. OTHER SUBFLOORS

Terrazzo, Stone, Ceramic Tiles or Quarry Tiles

- The surface must be thoroughly cleaned of all sealants and varnishes as well as foreign matter such as grease, oil and wax.
- Any worn or damaged areas must be repaired.

- Any loose or unstable tiles must be removed and the gaps filled with mortar.
- A mechanical method such as shot blasting may be required to level and prepare the surface.
- Apply primer to the prepared surface followed by a latex or water-based levelling compound (minimum thickness 3mm).
- A liquid DPM is required with this type of subfloor. We recommend a minimum application of 2 coats.
- As an alternative to a levelling compound, FastFit can provide a quick and easy floor levelling solution (see. c. FastFit).

Thermoplastic Tiles

- Remove the tiles and then follow the instructions for preparing a bitumen subfloor (see 1. b. iii. Asphalt or Bitumen).

Painted Floors

- The surface must be mechanically cleaned to remove all traces of paint.
- Apply a primer and then pour a latex or water-based levelling compound to a minimum thickness of 3mm.
- A liquid DPM is required. We recommend a minimum application of 2 coats.

- As an alternative to a levelling compound, FastFit can provide a quick and easy floor levelling solution (see. c. FastFit).

Laminate, Cork, Carpet, Vinyl, Linoleum or Other Existing Flooring

- Remove all existing floor coverings along with any underlay, adhesive residue and accessories.
- Prepare the subfloor as appropriate (see 1. b. iii. Screeded Subfloors and iv. Timber Subfloors).

c. FastFit

FastFit is the quick-fix solution to levelling a subfloor. Comprised of two layers of MDF (base-board and top-board) totalling 10mm, the underlay forms a stable floating surface that overcomes many of the typical subfloor issues and irregularities. The boards include an adhesive backing for a mess-free installation and are ready for adhesion, allowing Luvanto to be fitted directly on top within the same day.

N.B. FastFit is not suitable for installation in wet rooms or areas where there is a regular flow of water.

i. ACCLIMATISATION

FastFit boards must be placed within the room in which they are to be fitted, within their sealed packaging, for at least 48 hours before installation. The temperature in the room during this period must be at least 20°C.

ii. CHECKING MOISTURE

Prior to fitting, the moisture level in the subfloor must be checked with a hygrometer. If the reading is above 70% RH or outside 7-11% WME, then a damp proof membrane or further drying time is required (see 1. b. ii. Checking Moisture Levels). FastFit will not provide a sufficient moisture barrier on its own.

iii. SUBFLOOR PREPARATION

The subfloor must be flat with no irregularities exceeding 6mm across a 3m area or 3mm across a 1m area. Any high spots should be sanded down and any low spots filled. The surface must be clean, dry and free of dust.

Screeded Subfloors:

Sand and Cement or Anhydrite

- Screeded subfloors should be completely dry before installing FastFit. We advise that you check with the manufacturer for screed drying times but as a guide: one

day of drying should be allowed per mm of screed, up to a thickness of 50mm. For any greater thickness, the drying time should be doubled thereafter. For example, a 50mm screed could take 2 months to dry out while a 100mm screed might take around 6 months.

Bitumen, Gypsum or Calcium Sulphate

- FastFit can be laid directly over a flat and firm existing surface.
- If the surface isn't adequate, remove as much of the material as possible to lower the risk of future problems arising from the subfloor.

Timber Subfloors:

Floorboards

- Any loose boards should be secured and any broken boards replaced.
- There must be adequate ventilation between the underside of the joists and the ground to prevent dry rot.
- 'Springy' boards or floors that give when walked on are not suitable and should be removed and replaced before laying FastFit.

Chipboard, Weyroc, OSB or Particleboard

- FastFit can be laid directly onto the surface providing it is flat and firm.

Wood Block Floors or Wood Mosaic Panels

- Any broken or unstable blocks must be replaced before installing FastFit.

Plywood Overlays

- FastFit can be laid directly onto the surface.

Other Subfloors:

Terrazzo, Stone, Ceramic Tiles or Quarry Tiles

- Any unstable tiles must be removed and the gaps filled with mortar.

Thermoplastic Tiles

- If the existing surface is smooth and sturdy with minimal irregularities, FastFit can be laid directly on top.
- If the surface is considerably irregular, remove as much of the material as possible before installing FastFit

Painted Floors

- FastFit can be laid directly onto the surface.

Laminate, Cork, Carpet, Vinyl, Linoleum or Other Existing Flooring

- Any unstable planks or tiles must be removed and replaced. FastFit can be laid on top of any hard floorcovering.
- Do not install FastFit directly over carpet. Remove soft floorcoverings and any underlay prior to installation.

iv. INSTALLATION

FastFit is installed in two layers comprising of base-boards and top-boards. A maximum room span of 12m is recommended for any single installation.

Base-boards:

- Allow an 8-10mm expansion gap at all walls and 16mm in door openings.
- Score the first row of FastFit base-boards to half of their width (300mm) using a utility knife and snap for a clean break.
- Cut the first board again to $\frac{3}{4}$ of its length (900mm).

- Lay the first board with the protective film facing upwards, in the corner of the longest wall.
- Lay the remainder of the first row of boards.
- Cut the first board of the second row to $\frac{1}{4}$ of its length (300mm) and lay.
- Lay the rest of the second row with full-size base-boards.
- Continue to lay the boards across the whole subfloor in a brickwork fashion ensuring that the joints are staggered.

Top-boards:

- Once all the base-boards have been installed and immediately before installing the top-boards, remove the protective film from both boards to reveal their adhesive layers. Only remove as much of the film as is required while installing to ensure the adhesive remains tacky.
- Lay the first row of full-size top-boards over the first row of base-boards with the adhesive side facing down.
- Cut the first board of the second row to half its length (600mm), lay the board and then continue to lay the second row with full-size top-boards.
- Install in a brickwork fashion across the rest of the subfloor ensuring that all joints are

staggered from those of the base-boards.

- Tap down the top boards using a rubber hammer or roll with a 100lbs roller.

Final Preparation:

- Remove any irregularities on the surface of the boards with 120 grit sand paper.

Installing Luvanto:

- Vacuum the boards to remove any dust and debris.
- When laying Luvanto, ensure that the surface of the floor does not exceed the edges of the FastFit boards.
- For the best results, glue Luvanto to FastFit within 48 hours of fitting. This will reduce the risk of any influence from atmospheric humidity.

Please note: as our flooring is manufactured in batches, it is important to order from the same batch number to ensure colours match exactly.

LUVANTO INSTALLATION GUIDANCE

2. INSTALLING LUVANTO

Luvanto flooring installers should be qualified to a minimum of NVQ level 2 Flooring.

Luvanto is installed by bonding the planks or tiles to the subfloor with the appropriate Luvanto adhesive.

a. ADHESIVE

i. PRESSURE SENSITIVE ADHESIVE

Luvanto Pressure Sensitive Adhesive is suitable for installations where temperature and humidity levels remain reasonably stable such as bedrooms, hallways, utility rooms and living areas. The adhesive has an open time of 2 hours.

The subfloor must be sound, clean and dry prior to application (see. 1. Preparation for Luvanto).

- Spread the adhesive evenly across the whole area of subfloor using the Luvanto A1 trowel (see page 104).
- Roll with a paint roller which has been pre-wetted with adhesive to obtain a smooth, uniform appearance and to minimise adhesive show.
- Allow approximately 45 minutes for the adhesive to set to a firm tack before laying the floor. The adhesive will turn transparent when ready.

- Immediately after the complete floor has been laid, roll the surface from end-to-end and side-to-side using a 68kg roller. Re-roll in both directions 1-4 hours later to ensure overall contact is maintained.

The floor can receive traffic immediately following installation.

ii. HIGH TEMPERATURE ADHESIVE

Luvanto High Temperature Adhesive is suitable for use in areas subject to variable temperatures such as highly glazed rooms, rooms with patio doors or conservatories and all areas where underfloor heating is present. The adhesive has an open time of 30 minutes.

You need to check the maximum temperature the adhesive will work to?

- The subfloor must be sound, clean and dry prior to application (see. 1. Preparation for Luvanto).
- Apply the adhesive to a small area of the subfloor using the Luvanto A2 notched trowel (see page 104).
- Lay the floor onto the prepared area.
- Repeat the process to install across the whole subfloor.

Wait an hour after the complete floor has been laid before rolling

the surface from end-to-end and side-to-side using a 68kg roller. Re-roll in both directions 1-4 hours later to ensure overall contact is maintained.

b. INSTALLATION

PRECAUTIONS

- Luvanto should be acclimatised within the room in which it is to be fitted for a minimum of 24 hours prior to installation (see 1. a. Acclimatisation).
- If Luvanto is installed in conservatories or highly glazed areas subject to extremely high temperatures (50°C and above), it's advisable to shade windows prior to, during and for 24 hours following installation.
- Underfloor heating must be switched off for at least 48 hours before and after installation.
- The floor must be laid within the adhesive open time.
- For the best results we recommend laying planks down the length of the room or in the direction of the strongest light source

METHOD

- Take the width of the room and divide it by the width of a single tile to determine the number of full rows and the width of the last row. If the last row measures less than 75mm, it should be adjusted by

cutting into the first row. Ideally, the width of the first and last row should be relatively equal.

- Before laying the first row, make sure the final cut exceeds 300mm in length for an appealing result.
- Lay the first row onto the adhesive. Please note, Luvanto does not require an expansion gap.
- Press the tiles from the centre outwards to exclude any air and ensure overall contact.
- When installing wood-effect tiles, stagger the joints in adjacent rows by a minimum of 300mm for a natural finish across the floor.
- To cut the flooring to size, use a sharp utility knife to score the surface and then snap. Use the knife to clean up the swarf that may remain.
- Once the complete floor has been laid, roll the surface according to the appropriate adhesive guidelines (see 2.a.i Pressure Sensitive Adhesive & ii. High Temperature Adhesive).

iii. FOLLOWING INSTALLATION

- Any excess adhesive must be removed from the surface immediately using a dry or damp cloth.
- Furniture must not be placed on the floor for 24 hours.
- The floor shouldn't be washed for 48 hours.

4. UNDERFLOOR HEATING

As there are numerous underfloor heating systems on the market, each with varying guidelines, it is near impossible for us to provide comprehensive advice about laying Luvanto over UFH. We strongly recommend that you consult your manufacturer for detailed instructions.

The guidelines below may be used together with your manufacturer's advice to provide further assistance.

a. PRECAUTIONS

- UFH systems must be commissioned and operating for 7-14 days before Luvanto is fitted.
- UFH must be turned off for 48 hours prior to installation.
- Fibrous levelling compounds should be mixed with the highest recommended level of water content, for an even finish.
- Latex and water-based levelling compounds are not suitable where underfloor heating is present.

b. INSTALLING OVER HYDRONIC UFH SYSTEMS

Hydronic UFH systems have a series of pipes running beneath the floor. These pipes are connected to a boiler to circulate warm water and disperse heat evenly.

i. SCREEDED UFH SYSTEMS

Screed systems are the most popular type of underfloor heating. Fitting typically involves clipping a series of pipes to an insulation board and laying a screed on top. The pipes effectively heat up the screed slab to provide an even heat output.

Please consult your manufacturer to ensure your UFH system is suitable with vinyl tiles (LVT) and for installation guidelines. The following instructions should only be used as additional guidance.

Preparing the subfloor

- Ensure the screed is completely dry. As a guide: one day of drying should be allowed per mm of screed, up to a thickness of 50mm. For any greater thickness, the drying time should be doubled thereafter. For example, a 50mm screed could take 2 months to dry out while a 100mm screed might take around 6 months.
- The surface must be level and free of grooves or score marks. Slight irregularities can be eradicated using a feathering compound.
- Significantly uneven surfaces will require the application of a fibrous levelling compound. If the surface isn't completely smooth after initial levelling, retouch with a feathering compound.
- As an alternative to a levelling compound, FastFit can provide a

quick and easy floor levelling solution (see. c. FastFit).

- The finished surface must be clean of debris and any other foreign matter.
- Check the moisture in the subfloor using a hygrometer. If the Relative Humidity level marginally exceeds 70%, apply a liquid DPM that is suitable for use with UFH (minimum 2 coats). For RH readings above 75%, the subfloor must be left to dry out further.

Installing Luvanto

Luvanto High Temperature Adhesive must be used for installing Luvanto above underfloor heating (see 2. Installing Luvanto).

ii. FLOATED UFH SYSTEMS

A floating floor system houses the UFH pipes in extruded insulation boards which are floated directly onto the floor surface below.

Please consult your manufacturer to ensure your UFH system is suitable with LVT and for installation guidelines. The following instructions should only be used as additional guidance.

Preparing the subfloor

- Flooring grade tongue and groove plywood (or a recommended alternative) with a minimum thickness of 18mm

should be laid on top of the polystyrene panels.

- Panels should be allowed to acclimatise in the room for several days before installation. Please consult the manufacturer for a more exact acclimatisation period.
- Boards should be glued together at the joints for stability.
- Once the boards have been fixed in position, apply a fibrous levelling compound. If the surface isn't completely smooth after initial levelling, retouch with a feathering compound.
- The finished surface must be clean of debris and any other foreign matter.
- Check the moisture in the subfloor using a hygrometer. If the Relative Humidity level marginally exceeds 70% then apply a liquid DPM that is suitable for use with UFH. We recommend a minimum application of two coats. For RH readings above 75%, allow the screed to dry out further.

Installing Luvanto

Luvanto High Temperature Adhesive must be used for installing Luvanto above underfloor heating (see 2. Installing Luvanto).

iii. SUSPENDED UFH SYSTEMS

Suspended systems are often installed in rooms above the ground floor. The pipework is held within aluminium diffusion plates which are fixed between joists or battens.

Please consult your manufacturer to ensure your UFH system is suitable with LVT and for installation guidelines. The following instructions should only be used as additional guidance.

Preparing the subfloor

- Flooring grade plywood (or a recommended alternative) DO NOT USE CHIPBOARD with a minimum thickness of 18mm should be laid on top of the joists.
- Panels should be allowed to acclimatise in the room for several days before installation. Please consult the manufacturer for a more exact acclimatisation period.
- Boards should be fitted with screws or staples (barbed or serrated) at 150mm centres.
- Once the boards have been fixed in position, apply a fibrous levelling compound to ensure that any screws or staples are flush with the surface and to eradicate any lips, dents and joins. If the surface isn't completely smooth after initial levelling, retouch with a feathering compound.
- The finished surface must be clean of debris and any other foreign matter.

- Check the moisture in the subfloor using a hygrometer. If the Relative Humidity level marginally exceeds 70%, apply a liquid DPM that is suitable for UFH. We recommend a minimum application of two coats. For RH readings above 75%, allow the screed to dry out further.

- As an alternative to a levelling compound, FastFit can provide a quick and easy floor levelling solution (see. c. FastFit).

Installing Luvanto

Luvanto High Temperature Adhesive must be used for installing Luvanto above underfloor heating (see 2. Installing Luvanto).

c. INSTALLING OVER ELECTRIC UFH SYSTEMS

Electric systems rely on a network of wires which heat up beneath the floor. The wires are connected to the mains supply with a sensor that connects to the thermostat. There are typically three types of electric UFH systems that are compatible with Luvanto.

i. FOIL HEATING MATS

Roll-out foil mats contain a series of tiny electrical wires sandwiched between two layers of aluminium foil. The mats are then connected to the mains power supply.

Luvanto can only be fitted above foil heating systems that are accompanied by a dual overlay (includes a base-board and a top-board) which provides a floating surface to which the floor can be fitted. Please note: not all foil heating mat systems are supplied with an overlay.

Please consult your manufacturer to ensure your UFH system is suitable with LVT and for installation guidelines. The following instructions should only be used as additional guidance.

Preparing the Dual Overlay

- Install the overlay 24 hours prior to laying Luvanto.
- Remove any irregularities on the surface of the boards with a 120 grit sand paper.
- Vacuum the boards to remove any dust and debris.
- A primer may be necessary to ensure the surface does not absorb the adhesive. Check with the manufacturer.

Installing Luvanto

Luvanto High Temperature Adhesive must be used for installing Luvanto above underfloor heating (see 2. Installing Luvanto).

ii. CABLE HEATING MATS

Electric heating mats are roll-out sheets of fibreglass mesh that include a series of heating cables covered by a screed.

Please consult your manufacturer to ensure your UFH system is suitable with LVT and for installation guidelines. The following instructions should only be used as additional guidance.

Preparing the subfloor

- If the mats are not covered with a screed, a fibrous levelling compound should be poured over the surface to a minimum thickness of 10mm. If the surface isn't completely smooth after initial levelling, retouch with a feathering compound.
- The levelled floor must be allowed to dry thoroughly (below 70% RH) before installing Luvanto. Please consult the manufacturer for specific drying times.

Installing Luvanto

Luvanto High Temperature Adhesive must be used for installing Luvanto above underfloor heating (see 2. Installing Luvanto).

iii. LOOSE WIRE SYSTEMS

This type of system consists of a series of electric cables connected to the mains supply. The cables are laid as required and then concealed within a screed.

Please consult your manufacturer to ensure your UFH system is suitable with LVT and for installation guidelines. The following instructions should only be used as additional guidance.

Preparing the Subfloor for Luvanto

- If the cables are not covered with a screed, a fibrous levelling compound should be poured over to a minimum thickness of 10mm. If the surface isn't completely smooth after initial levelling, retouch with a feathering compound.
- The levelled floor must be allowed to dry thoroughly (below 70% RH) before installing Luvanto. Please consult the manufacturer for specific drying times.

Installing Luvanto

Luvanto High Temperature Adhesive must be used for installing Luvanto above underfloor heating (see 2. Installing Luvanto).

d. AFTERCARE

- The UFH must not be switched on for at least 48 hours after installation.
- Do not turn the system on full immediately but raise the temperature gradually at no more than 1°C per day.
- LVT is sensitive to high temperatures – ensure that the sub-floor temperature does not exceed 27°C at any time.
- Do not use thick insulating rugs on the floor as these can prevent heat transfer, cause excessive floor temperatures and possibly lead to the floor delaminating.

AFTERCARE

5. AFTERCARE

Ensure your Luvanto floor looks just as fresh as the day it was laid for years to come by following these maintenance guidelines. With regular care, not only can you look after the appearance of your floor but help to extend its life.

ROUTINE CLEANING

We recommend sweeping or vacuuming your floor regularly to remove any dry dirt as this type of soiling can cause fine scratches. For a deeper clean and to see off stubborn stains, use the Luvanto Floor Care Kit. While this product works just like your regular cleaner to lift dirt, it can also remove minor surface scratches and adds a matt, anti-slip film to enhance your floor's protection with every clean.

Method:

- Dilute 50ml of Floor Cleaner with 8-10 litres of water.
- Use the mop head provided to distribute the solution evenly across your floor.
- Allow your floor to air dry.

TIPS

- Mop in overlapping strokes for an even clean.
- Rinse the mop regularly and ensure it is well-wrung as dirty

water can leave a residue on your floor.

- Store a ready-made solution of Floor Cleaner in a spray bottle for cleaning small spillages or areas that become dirty in-between routine cleans.
- Any scuff marks not removed during cleaning can be rubbed gently with a non-abrasive pad.

ANNUAL CLEAN & STRIP

To preserve the highly resistant finish of your Luvanto floor we recommend treating it to an intensive Clean & Strip (Luvanto Floor Care Kit) at least once a year. Not only will this treatment remove the build-up of old protective films but will lift stubborn dirt to leave you with a perfectly clean and refreshed floor.

Method:

- Remove any coarse, loose dirt using a sweeping brush or vacuum cleaner.
- Dilute Clean & Strip with water in a ratio of 1:5.
- Apply to the floor evenly using a mop.
- Allow to stand for 10 minutes but do not allow to dry (apply to the floor in sections if necessary).
- Clean the floor using the stripping pad provided.

- Remove the loosened dirt using a rubber blade and absorbent mop.
- Mop the floor with clean water.

TIPS

- Test your solution of Clean & Strip on an inconspicuous spot of flooring to check that it doesn't affect the colour or material of your floor. If necessary, dilute the Clean & Strip further.
- Ensure the room is well ventilated during the cleaning process.
- Wear rubber gloves during the work.

Following a Clean & Strip it's important that you restore your floor's scratch guard and anti-slip protective layer using the Floor Mat.

Method:

- Apply undiluted Floor Mat in a thin, even film across the floor using the polish applicator pad provided.
- Allow the floor to dry for 12 hours before it receives traffic.

DOs AND DON'Ts

DO:

- ✓ Lay mats at entrances to help prevent the transfer of water and dirt indoors.
- ✓ Wipe up spillages immediately using a dry cloth and then wash with Luvanto Floor Cleaner.
- ✓ Use felt pads to prevent marks from furniture legs.
- ✓ Wipe up any residues from furniture polishes and scented sprays as these can cause the floor to become slippery.
- ✓ Protect high-traffic areas (without UFH) with rugs or carpet runners.
- ✓ Clean entrance matting regularly.
- ✓ Ensure your floor stays out of contact with asphalt, paints and shoe polishes as these can cause stains.
- ✓ Protect Luvanto from excessive heat. E.g. take care with cigarettes and place mats next to ovens.
- ✓ Protect your floor from indentations by fixing load bearing castors to heavy furniture.
- ✓ Leave high heels at the door as these exert a phenomenal amount of pressure that can damage your floor.
- ✓ Shade your floor from direct sunlight (particularly in rooms with

South-facing windows) to protect from fading.

DON'T:

- ✗ Use rubber or latex backed mats as these can stain your floor.
- ✗ Place rugs or carpet runners over underfloor heating.
- ✗ Use airborne insecticides in a room where Luvanto is installed as the chemicals can settle on the surface causing slipperiness and damage.
- ✗ Wash the floor with any other products or methods than those recommended.
- ✗ Drag furniture or other heavy objects across the floor.
- ✗ Dilute Luvanto cleaning products to a higher concentration than recommended as this can leave a surface residue.
- ✗ Don't use Steam Cleaners.

6. TILE REPLACEMENT

In the unlikely event that a tile is damaged, it can easily be replaced without affecting the rest of your floor.

a. LUVANTO

- Using a utility knife, score down the length of the damaged tile.
- Take a flat knife to lift the cut sections of the damaged tile. If necessary, a hot air gun or hairdryer can be used to warm the tile and soften the adhesive to aid its removal. Use hot air with caution as excessive heat could melt the tile or damage neighbouring parts of the floor.
- Any residual adhesive must be removed from the subfloor using a scraper.
- The replacement tile should be fixed into place using an appropriate adhesive (see 2.a. Adhesive).