Scope: Installation instruction Loose Lay and Supported (Semi) Loose Lay Heterogenous Sheet Vinyl IVC

These instructions provide you with the most important requirements before, during and after the installation of your sheet vinyl floor covering. To obtain the best results, to fulfill our Sales Terms & Conditions and product warranty clauses. These instructions must be carefully adhered to by all parties. Should more stringent local regulations, standards, and/or practices on preparation, installation or site conditions be present, then our T&C and warranty clauses will only be valid when the stricter requirements are followed. We do not accept any warranty claims due to incorrect storage, handling, installation, or usage, nor in the case of bad maintenance, damage or stains.

1. Suitability

The choice of floor covering is key to a best user experience. The chosen sheet vinyl floor covering fulfills the requirements of the standards and specifications as noted in the technical datasheets.
Proper installation of the flooring requires experience and knowledge to ensure the best results. Unilin offers training at the training academy or potential support from our technical services engineers on demand. At all times, be sure to use correct protective ergonomic safety clothing and measures. Products with textile backing require installation with gloves.

Generic conditions for a fully adhered (glued) sheet vinyl floor covering:

- Sheet vinyl floor coverings are designed for indoor installation only.
- Do not pinch in the floor covering or use glues on top of the vinyl to fix furniture or other items.
- Loose lay or supported loose lay floor coverings are not designed for safety floors, ramps or wet rooms, wet zones and may not be installed in very humid areas or over a built-in floor drain. If rooms in which swiveling chairs on wheels are or will be used often, the floor covering must adhere over its entire surface with water-dispersion adhesive. It is essential to avoid the ingress and accumulation of water under or on the floor covering. Avoid keeping and storing the floor covering in conditions of intense moisture.
- Subfloor type, room size and product type or thickness are critical parameters to choose for a (supported/semi) loose lay sheet vinyl floor covering.
- Avoid storing the floor covering in conditions of intense moisture or humidity.
- The flooring must not be installed in very humid areas and may not be installed over built-in floor drains. It is essential to avoid the ingress and accumulation of water under or on the floor covering. Installation in “wet rooms”, including shower floors, must only be undertaken using flooring certified for use in such areas, ensuring the specific “wet room” installation guide is followed.
- Sheet vinyl flooring can be sensitive to over/underexposure of natural light, causing discoloration or color differences within one room. Please foresee sufficient daylight with protected sunscreens.
- Avoid installation in rooms without natural or artificial daylight and those overexposed to direct sunlight through unprotected glass. Do not install in areas exposed to extremely high or low temperatures (such as but not limited to solariums, seasonal porches, pool, wellness and saunas, non-heated rooms). The room temperature after installation is preferably between 6-30°C with an absolute min-max of 0-45°C. Installation to areas with elevated temperatures or elevated temperature variations, we recommend the use of suitable subfloor preparation and adhesive.
- Can be installed on concrete, cement, anhydrite (calcium sulphate), timber, plywood, particle board and ceramic tiles, as well as raised access floors with suitably preparation. Some textile backed vinyl or double fiberglass vinyl products can be laid over asbestos having floor or tile flooring without joint filler. Depending on the technical data sheet, some subfloors can be overlayed with sheet vinyl floor covering but avoid overlaying an acoustic sheet vinyl or carpet subfloor to avoid indentation.
- IVC Solution applications are very particular. It is essential that the subfloor is stable, permanently dry, and fully flat, and that the direction / orientation requirements of the rolls are respected. For projects, ensure you order only 2m rolls and follow the installation direction / orientation, considering batch and roll numbering to avoid visual differences in color and print.

- The flooring can be used on water based underfloor heating and/or cooling systems. It is recommended to set the heating or cooling temperature to +5°C/-5°C compared to the original room temperature. At all times, the subfloor surface temperature must not exceed 29°C (EN1264-partII) and not go below the dew point. Installation is not advised on electrical or infrared heat foil underfloor heating systems without confirmation of compatibility with our flooring by the manufacturer of such heating systems. IVC does not warrant the compatibility of its flooring products with such heating systems, nor that the combined installation complies with applicable standards and temperature limits. IVC cannot accept any warranty claims or liability for damages resulting from or related to the use of such heating systems, including uncontrolled expansion, rippling, or charring
- All sheet vinyl floor coverings are also fully suitable for glued and cold-welding application. (Supported/Semi) Loose lay installation is better for sustainability reasons in terms of waste management and recyclability.

2. Reception, Storage and Internal Transport

a. <u>Reception and Unloading</u>

- Verify that the delivered goods match the ordered quantity, product type and dimensions. No claims will be accepted for first reception misses 24h after reception.
- When unloading, be careful not to damage the rolls. Unload large shipments or containers, with a mandrel forklift or pole hyster. Damaged goods upon reception need to be registered in the transportation documents (CMR).
- When transporting the rolls to a warehouse, please use proper equipment.



b. <u>Storage</u>

Warning: Stacking rolls may cause injury to people, damage to the surrounding environment, and damage to the product itself.

- The flooring material must be stored at temperatures between 2°C and 35°C in a well-ventilated or air-conditioned indoor area, protected from humidity, to reduce the risk of condensation and potential permanent damage to the product. Store 2m rolls in a vertical position. The top of the roll is indicated on the roll label.
- When vertical storage is not possible (4m rolls), horizontal storage is allowed. Added precautions: do not stack rolls on top of each other. Rotate the rolls regularly, every 3- 4 day, to minimize pressure marks
- Ensure that installation takes place as soon as possible after receipt of the goods.
- The recommended storage period is 6–12 months. Ensure labels remain visible in the storage area.



IVC BV
Nijverheidslaan 29
8580 Avelgem - Belgium
BTW BE 0866.682.231

ivc.info@unilin.com
unilin.com

T +32 56 65 32 11

c. Acclimatization Before Installation

Warning: incorrect storage or acclimatization may result in permanent storage marks.

- Sheet vinyl floor coverings must be acclimatized for 24h to 48h prior to installation in the installation room or area with similar conditions. Acclimatization conditions should be as close as possible to the installation conditions. Maintain temperatures between 15°C and 30°C and a maximum relative humidity of 75% RH. Keep the material away from continuous direct sunlight and heating or cooling systems to ensure gradual acclimatization.

- 2 m width: Cut into sheets and loosely roll them back up. Store the rolls upright during acclimatization. Do not roll the material in the opposite direction of the original roll, as this may cause storage marks.

- 4 m width: Cut to the required sheet lengths and lay them flat for acclimatization. Do not fold the cut lengths.

- Rough-cut the lengths, allowing an additional 5–10 cm margin, including any allowance required for coving. This will facilitate proper alignment with walls and joints.
- If, after acclimatization, the sheets or lengths remain excessively rigid, gently massage the material to reduce tension and minimize waviness.

3. Prior to Installation

a. Visual Inspection

Warning: Installing a floor covering with visible defects constitutes acceptance of the product's condition and quality. No claims relating to such defects will be accepted after installation.

- Color Uniformity: In the production of floor coverings, certain color differences are unavoidable. Therefore, the floor covering must be checked for color uniformity before installation. Production-related slight color deviations are to be tolerated.
- Always inspect the product prior to installation from a normal viewing distance (2 m at a 45° angle), using natural light or the intended room lighting. Do not use spotlights, temporary lighting, or construction-site lighting for inspection.
- Check the material for any visible damage, defects, print irregularities or color variations within and between the rolls.
- Verify that the materials received correspond to those ordered, including the correct design, product type, batch number (single color batch), ascending roll numbering (see image below where the roll numbering can be found on the label) and the required installation direction and orientation.



- Retain the roll labels for all rolls until the installation has been completed and accepted.

b. Preparation for Installation

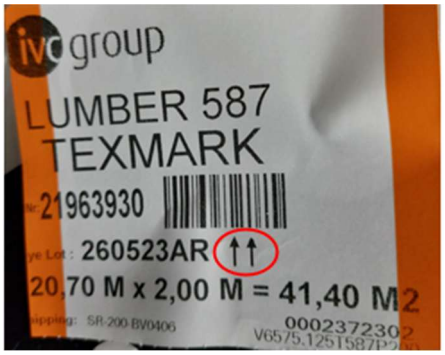
Matrix setup

- Measure the maximum width and length of the room, including allowances for recesses, corners, and doorways.
- Plan the installation starting from the wall opposite the door opening. Review the room layout, design, and pattern schedule in advance, and avoid placing seams in doorways, main traffic routes, or areas subject to castor-chair traffic. Consider pattern alignment, such as wood plank designs, and maintain an offset of approximately 10 cm at seams and joints. It is recommended that vinyl seams run parallel to, rather than across, main traffic areas and doorways. If the room is reasonably square, install the sheet lengths parallel to the incoming natural light or aligned with the dominant wall. In long, narrow rooms, install the lengths along the longest dimension of the room. In hallways, the flooring may be installed either parallel or perpendicular to the corridor direction. Minimizing the number of seams will generally provide the best visual result. Consider the balance between appearance and material consumption when determining the layout. Where applicable, comply with greyscale requirements according to EN 20105-A02 (Germany only).
- Do not incorporate small offcuts into the finished floor unless pattern and color consistency can be ensured.
- Plan the pattern layout carefully to avoid narrow strips at the perimeter of the installation area.

Roll Sequence and Direction of Vinyl

- Do not use materials from multiple batches in the same room, as failure to follow the roll sequence or mixing color batches (different production batches) may result in visible color variation.
- Follow the predefined installation orientation indicated on the sheet vinyl roll label. This indication specifies how adjacent lengths should be installed to achieve the intended visual appearance. Incorrect orientation or excessive use of sub-cuts (small cuts or offcuts) may result in color variation. Please note that the markings on the back of the vinyl indicate the direction of roll production and should not be used as the installation orientation reference.
- For 4 m wide rolls, the general orientation rules are less critical. No left (L) or right (R) orientation indication is required. However, for optimal pattern repeat and visual appearance, follow the arrow orientation shown on the roll label.
- For 2–3 m rolls, the lay orientation is important due to the splitting of 4 m rolls into 2–3 m rolls.
    - For **Wood and silver containing Wood design types** : It is preferable to use only L rolls or only R rolls in one room unit, but mixing L rolls with R rolls is also possible in case of no visible differences are remarked before installation. But keep in mind **to use always the same lay direction**, as presented below.

Instructions are on the roll label, see below:
Orientation in one direction for Wood designs



- For **Stone, Uni and Silver containing Stone designs**, allover design or designs which doesn´t provide a pattern repetition, it is important **to alternate the lay direction** and **not to mix R/L indications** (eg 250501AL+250501AR = NOK) in an installation.

Instructions are on the roll label, see below:
Orientation in revrerse direction for Stone & Uni designs



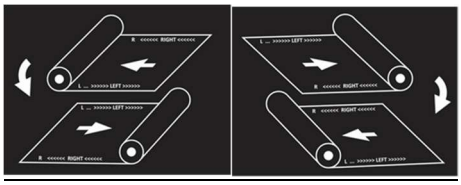
IVC BV
Nijverheidslaan 29
8580 Avelgem - Belgium
BTW BE 0866.682.231

ivc.info@unilin.com
unilin.com

T +32 56 65 32 11

Roll Sequence and Direction of Vinyl (materials labeled as Lentex Flooring)

- Do not use materials from multiple batches in the same room, as failure to follow the roll sequence or mixing color batches (different production batches) may result in visible color variation.
- For commercial floor coverings only, the reverse side of the product includes manufacturer markings indicating, among other details, the length and batch of the flooring, as well as the right and left edges of the material:
  o Right edge: marked with the letter “R” and the word “RIGHT”
  o Left edge: marked with the letter “L” and the word “LEFT”
- During installation, ensure that the marked edges of adjacent sheets are positioned next to each other according to the pattern: L–L (LEFT–LEFT) and R–R (RIGHT–RIGHT).



Size Cutting for Final Installation.

- Unroll the roll using an unrolling barrow / trolley. Do not fold the vinyl.
- Do not write on the back of the vinyl except with a pencil. Do not use Post-it® notes or any other marking tapes on the back of the vinyl and avoid any adhesives containing colorants or solvents.
- Cut the lengths gradually to precise dimensions. Performing several small trimming cuts will improve accuracy. Alternatively, use a straightedge to guide cuts. Hold the cutting knife perpendicular to the floor to achieve a clean, straight edge.
- Once the sheet vinyl is positioned in the room, leave a 1 mm gap at skirting boards to prevent buckling and to allow for normal movement of the sheet vinyl floor covering. (1 mm typically corresponds to the expansion or movement allowance in the subfloor or screed.)





4. Subfloor Preparation

Warnings:

- The type, quality, and preparation of the subfloor and subfloor system will affect the result.
- It is essential that the contractor or installer assesses and accepts the quality, suitability, and condition of the finished subfloor system prior to installation.
- **Always measure with certified and calibrated equipment (moisture reading, temperature, air humidity, etc.) and retain documentation of all subfloor and environmental measurements.** If no pre-installation moisture or environmental readings are available to verify that conditions meet the installation requirements and applicable standards, warranty claims will not be accepted.

a. Subfloor Prerequisites

- Install heterogeneous sheet vinyl floor coverings directly onto a properly prepared subfloor. Never use an additional underfloor as a separate acoustic underlay. For acoustic performance requirements, refer to the product portfolio of foam-backed product types.
- Always remove all residual adhesives and smoothing compound residues.
- Local regulations and standards regarding subfloor moisture content must be strictly followed.
  FR : DTU 53-12 (2020) Préparation des supports sols souples

DE: DIN 18356 „Bodenbelagarbeiten“ + DIN 18202 „Ebenheitstoleranzen im Hochbau“

BE: WTCB TV 241

- In cases where national standards or regulations conflict with the manufacturer’s recommendations, the more stringent requirement shall prevail. pH and surface absorbency testing is recommended for the Nordics, the UK, Australia, and New Zealand. Some examples of prescribed conditions include:

Country/ Subfloor type	Unheated	Underfloor heated
IVC recommendation		
Cementous screed, sand, monolith	< 2.0 CM% - 75% RH	< 1.8 CM% - 75% RH
Concrete	< 3.0 WMC% - 75% RH	< 2.0 WMC% - 75% RH
Wood	< 10.0 WMC% - 75% RH	< 6.0 WMC% - 75% RH
Anhydrite (Calcium sulphate)	< 0.5 CM% - 75% RH	< 0.3 CM% - 75% RH
Regional exceptions:	**Unheated**	**Underfloor heated**
France Cementous screed, concrete, sand, monolith	<4.0 CM% at 4 cm depth CM% test* - 75% RH	<4.0 CM% - 75% RH
Anhydrite	< 0.5 CM% - 75% RH	
Italy Cementous screed, concrete, sand, monolith	<2.0 CM% - 75% RH	< 1.7 CM% - 75% RH
Anhydrite (Calcium sulphate)	< 0.5 CM% - 75% RH	< 0.2 CM% - 75% RH
Germany	DIN 18365 Code of Practice	
Australia/New-Zealand	AUS AS 1884:2021, ASTM F2170 and NZS AS 1884:2013	
Cementous screeds	<2.4 CM% - 80% RH + test probe at depth of 40% thickness of slab for one side drying or 20% for top and bottom drying.	
United Kingdom	Added: BS 8203 / BS8204-7 Hygrometer test >July 2024 < 85% RH at 40% thickness depth of slab (smallest slab thickness 100mm); else unheated <75%, heated <65% RH. Wood both unheated and heated underfloor at <10% WMC	
China, Japan, Korea	<4.5 CM% at 4 cm depth calcium-carbide test* <20% unheated and 10% heated underfloor RH	

IVC BV
Nijverheidslaan 29
8580 Avelgem - Belgium
BTW BE 0866.682.231

ivc.info@unilin.com
unilin.com

T +32 56 65 32 11

	< 2.5 CM%

Warning: Moisture content of the subfloor can turn out to be higher depending on the climate conditions. The subfloor must be sufficiently dry.

For cementitious subfloors with moisture measurements >2.0%, and for values exceeding either the manufacturers or national standard requirements, the use of a surface-applied damp-proof membrane (DPM) is recommended. For anhydrite subfloors, the use of surface-applied membranes is not recommended; instead, installation should be postponed until the required conditions are met.

For concrete and stone subfloors without a structural damp-proof membrane and in direct contact with the ground, always consult the membrane manufacturer regarding suitability. Use a moisture-resistant primer and a self-levelling compound. In case of public utility buildings, for floor coverings without a factory-applied protective coating, protection must be ensured using a two-component polyurethane epoxy resin system (EP), as this is a basic requirement for warranty validation.

- The table below specifies the minimum number of moisture measurements required for the installation area and size. When installing full floors in a building, ensure that each level and room is verified. Calibrated digital tools allow measurements in all rooms and corners. The CM% (carbide method) is considered a more reliable method; therefore, local regulations must always be followed.:

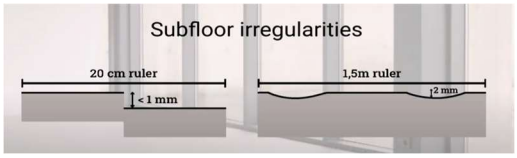
Surface	**France** At 4cm	**Italy** At full depth	**Belgium** At full depth	**Switzerland/Ostrich** At full depth	**Australia/New-Zealand** At 40% of slab
0-100m²	1	1	2 per 100m²	1 or 2	3
100-500m²	2	3		+1 per 200m²	+1 per 100m²
>500m²	+1 per 500m²	5			
>800m²		8			

- Sheet vinyl adhered floor coverings require a subfloor that is:
  - Fit for purpose, solid, self-supporting and without screed cracks. Cracks in the screed should be bonded by a special resin.
  - Smooth and flat. Expansion and construction joints must not be filled or covered. Special profiles might be needed.
  - Treated with proper moister barrier (primers), filling primer or levelling compound for porous subfloors or uneven subfloors.
  - Stable, not prone to extraction, contraction or floor movement.
  - Clean, permanently dry, and dust free.
  - Free from oil, wax, chemical substances, solvent based products, paints, mastic, fat, grease, …
  - Do not use markers, pens or paints with solvents or marking tape on the subfloor or on the vinyl.
  - Treated with a proper moister barrier (surface damp proof membrane).
  - The manufacturer permits installation on raised access floors or wood-based panels (OSB, MFP) under the following conditions:
    - The wood-based panels must be installed directly onto a properly prepared screed or cleaned ceramic tiles
    - Regardless of the type of wood-based panel used, the surface must be treated with a moisture barrier or isolating agent to prevent moisture migration between substrate layers.
  -

- Joints between panels and fixing areas must be filled, smoothed, and sanded to prevent panel movement or edge curling
- The entire surface must be covered with a suitable levelling compound (e.g., a self-levelling compound designed for OSB, MFP, or other wood-based substrates intended for flexible floor coverings).

a. Irregularities

- Never install over soft floor coverings (e.g., carpet, needle felt, cushioned vinyl) or floating vinyl flooring systems. Remove all existing adhesives and smoothing compounds and repair any open joints or surface irregularities.
- Subfloor unevenness may cause permanent telegraphing or damage to the sheet vinyl. Always refer to national installation standards and the product technical data sheet for specific requirements. In general, the correct application of a self-levelling underlayment helps prevent telegraphing effects. Please note that telegraphing and related defects are excluded from warranty coverage.
  Recommended rules:



<table>
<tr><th>Irregularities at 2m</th><th>Irregularities at 20cm</th><th>More irregularities / Tile joints</th></tr>
<tr><td rowspan="2">≤ 2 mm unevenness</td><td>≤ 0,2-0,5 mm depending on product thickness</td><td rowspan="2">Only allowed with leveling compound</td></tr>
<tr><td>Specific tile overlay product types, joint schedule (mm)
<table>
<tr><td>Seam width</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td></tr>
<tr><td>Seam height</td><td>1</td><td>1</td><td>2</td><td>2</td><td>2</td></tr>
</table></td></tr>
</table>

- For applications in the solution business, such as van trunks with vaulted subfloors, select a suitable plywood or levelling compound to ensure that no irregularities or telegraphing appear through the surface of the finished floor. Telegraphing is caused by irregularities in subfloor flatness in combination with thickness and type of sheet vinyl. To prevent telegraphing or tears due to castor chair or furniture, avoid moving furniture horizontally without support. Use only castor wheels of type W, apply felt pad protection, or avoid heavy rolling loads (EN 12529, ISO 4918).
- Undercut door jambs to allow the vinyl to fit properly.
- For applications in the solution business, such as van trunks with vaulted subfloors, select a suitable plywood or levelling compound to ensure that no irregularities or telegraphing appear through the surface of the finished floor. Telegraphing is caused by irregularities in subfloor flatness in combination with thickness and type of sheet vinyl.

5. Installation

a. Tools and Equipment

- Standard: pencil, tape measure, steel trim ruler, universal safety knife
- Specific:
  - Hook knife, parting knife, quarter moon knife, scratch pen,
  - Double side adhesive tape or tackifier, type Bostik Sader adhesive
  - Cork press
  - Cold-welding kit and tape
  - Hot-welding grooving machine or triangular scraper + Mozart trimming knife + warm air welding gun, welding nozzles and rod.
- Coving set or skirting profiles

b. Accessories

Installation	**Adhesives**	IVC Loose-lay tape 100MMX50M
Finishing	**IVC Cold Welding**	INVISIWELD WELDING TAPE 32*(30MMX50M)
		INVISIWELD COLD WELDING 12x132G TYPE A
		INVISIWELD STARTERBOX
		INVISIWELD COLD WELDING 10X44G TYPE T
	IVC Hot Welding Rod	WELDING ROD 4MMX100M

c. Temperature Control During Installation

- Maintain a room temperature between 18°C -30°C and a subfloor temperature between 15°C-29°C for 24h before installation and for a minimum of 72 hours after installation.
- Ensure that the air humidity is kept between 55% RH and 75% RH to allow proper curing of the adhesives.

d. Underfloor Heating and Cooling Precautions

- Areas with different floor surface temperatures must be separated using expansion joints or transition profiles.
- Underfloor heating must be set to “frost protection” mode or switched off 24 hours before and during installation. After installation, the system must be recommissioned gradually, increasing the temperature by no more than 5°C per day until the desired operating temperature is reached. The subfloor surface temperature must never exceed 27°C.

e. Recommended Adhesives for (Supported/Semi) Loose Lay.

- **Full loose lay indications below are on conditions of no seams are present in the area and no heavy rolling loads or castor chair applications.** If m² exceed the sign below and/or there are multiple seams avoid heavy rolling weights or castor chair applications and/or ensure supported loose lay.
- For supported loose lay, a tackifier or added double-sided tape is recommended to support the seams. Use non solvent based, non-colored, double-sided tape. Follow the room surroundings around the walls for the double-sided tape application, do not make crosses or shapes into the area. Tackifiers might be useful underneath furniture subject to movement, like a cloth dryer or washing machine.
- Depending on the product type and application, the maximum allowed areas are defined respectively for loose lay (LL) and semi loose lay (sLL):

Product Category	IVC Commercial	IVC Living	IVC Solutions
Compact/ Foamed sheet vinyl	**LL: ≤20m² (no joints in area)** Semi LL: ≤45m² Semi LL Batimax: no limit		
Textile backed sheet vinyl	**LL: ≤45m² (no joints in area)** Semi LL: no limit		

f. Installation Methods

Warning: Black windows where direct sunlight streams onto the floor to allow for continuity across the whole area to be laid. Avoid ventilation or wind trip.

Loose Lay:

- **STEP 1:** Cut lengths with 5-10 cm excess in function of seams (double-cut method). If so, allow added excess up to the top of the skirt / cove.
- **STEP 2:** Unroll the lengths and place in position, respecting the direction / orientation shown on the roll label (do not look at the arrow on the back of the sheet vinyl).
- **STEP 3:** Install, avoiding bubbles, compression and tension. Avoid seams on joints. Create relief cuts in the vinyl to fit around remaining furniture such as toilet, bath, kitchen isle…
- **STEP 4:** Trim to size. Once placed in the final position into the room, foresee margin of 2-3 mm for skirting boards, this to avoid buckling or allow for normal movement of the sheet vinyl floor covering. When installing wall to wall without skirting, 1mm margin is needed to compensate for seasonal movement.
- **STEP 5:** Check seams are butted together neatly. Do not compress the seams as this will cause tension. If the flooring is not perfectly flat and there are bubbles, this means that there is tension between the flooring and a fixed point. In this case, we need to determine the source of the problem. Then, using a cork press, work from the bubble towards the fixed point and adjust the size of the flooring to release the tension. Doubles sided tape at seams is mandatory as soon as there is a decision to weld.
- **STEP 6:** To remove bubbles, use a cork press. Work from the center of the lengths towards the edge.
- **STEP 7:** Clean the floor covering with a lightly damp mop before finishing and final visual inspection.

Supported/semi Loose Lay:

- **STEP 1:** Upon need tape corners, heating ventilation and furniture surroundings with double sided tape without overlapping or double pasting the tape. Cut lengths with 5-10 cm excess in function of seams (double-cut method). In case of sheet vinyl skirts, foresee an added excess up to the level of the vinyl skirt.
- **STEP 2:** Unroll the lengths and position them according to the direction/orientation shown on the roll label. (do not look at the arrow on the back of the sheet vinyl).
- **STEP 3:** Install the material, avoiding bubbles, compression and tension. Avoid placing seams over subfloor joints. Create relief cuts in the vinyl to fit around fixed objects such as toilets, bathtubs, kitchen islands, and built-in furniture.
- **STEP 4:** Trim to size. Once placed in the final position into the room, foresee margin of 2-3 mm for skirting boards, this to avoid buckling or allow for normal movement of the sheet vinyl floor covering. When installing wall to wall without skirting, 1mm margin is needed to compensate for seasonal movement.
- **STEP 5:** Carefully bend back half of the lengths to prepare for the application of the double-sided tape adhesive around the walls. Foresee the double-sided tape is positioned at the borders of the vinyl lengths, to support the seams. Remove the protection film of the tape for 30-40 cm starting from the room sides. Place half of your bended lengths on the adhesive tape into position. Reposition the lengths, press on and secure to the tape. Ensure the main area of installation remains flat and smooth.
- **STEP 6:** Repeat step 5 for the other half of the lengths.
- **STEP 7:** Check seams are butted together neatly. Do not compress the seams as this will cause tension. Doubles sided tape at seams is mandatory as soon as there is a decision to weld.
- **STEP 8:** To remove bubbles, use a cork press or sweep. Work from the center of the lengths towards the edge.
- **STEP 9:** Clean the floor covering with a lightly damp mop before finishing and final visual inspection.

g. Corners and Coving or Skirts

- Corners must be installed using a proper technique. For internal corners, make small diagonal relief cuts until the sheet vinyl fits properly. Always ensure the cuts are positioned so they are not visible from the main viewing angle. For external corners, press the material firmly into the corner and trim excess material using a precise crosscut.
- Covings in semi or loose lay are not possible. This because the coving needs to follow the install method of the floor covering. An adhered floor covering, can have adhered covings and both welding types. However, a looselay floor covering cannot have adhered covings. Covings that are looselay do not keep position. Mixing a looselay floor covering with an adhered coving will create stress in the curbe and floor.
- Skirting profiles are to be applied after sheet vinyl flooring installation.
- Where watertightness is required, the joint between the wall and vinyl may be sealed with a suitable low-modulus sealant. However, such sealants may age and discolor over time and may require maintenance or replacement.
- Coving with sheet vinyl can be done in 2 ways:
  - Without a coving kit: fold the material 90° up the wall.
  - Using a coving kit with a click skirting or a support ramp.

h. Welding

- IVC offers a wide range of compatible welding accessories and therefore does not recommend the use of third-party products.
- Welding is advised, but not mandatory. Seams should ideally be welded approximately 24 hours after installation.
- Hot welding: Joints are grooved to a depth not exceeding the wear layer thickness using a hand grooving tool or machine prior to welding. Weld using hot air. Foamed products may be more difficult to hot-weld due to indentation of the vinyl. Always perform a test weld on a leftover piece before starting work to adjust speed and temperature. The seam can be walked on immediately after welding.
- Cold welding:
  - Overlap the two lengths until the pattern is correctly aligned. Perform a double cut while keeping the knife blade vertical in a single operation (or two operations in the case of thicker flooring), using a metal straightedge as a guide. During a double cut, the top layer is cut completely through, while the underlying sheet is only partially cut. After removing excess material and positioning the sheets, complete the cut in the lower layer using a hook knife (especially for textile-backed products).
  - The result should be a tight joint with no gaps, fullness, or bubbling. Apply a suitable cold-welding masking tape centered over the seam, then cut the tape along the joint using a rolling knife. Apply the cold-welding liquid by inserting the needle deep into the seam, ensuring continuous and sufficient application along the entire joint. After approximately 10–20 minutes, depending on environmental conditions, the adhesive on the masking tape should be dry and the tape can be carefully removed. To verify readiness, check whether the welding liquid on the tape surface is dry. Do not delay tape removal beyond 30 minutes to 1 hour, as the tape may become difficult to remove from the surface. The seam can be walked on after 24 hours.

	Compact/Foam Cold weld	Textile back Cold weld	Repairs/Coving/ open gaps Cold weld	Hot weld (less advised) Level 5 of welding gun, 440-450°C, 2-3m/minute
Type	Type A	Type T	Type C 0.3-4mm	>0.50 mm wear layer >0.45 mm for double glass fiber product types
Advantages/ limits	• All types, all applications • Less visible seams			• Watertightness • Medical, antibacterial applications • Larger areas with multiple joints • Heavy rolling weights, castor chairs • Stairs or ramps

i. Protection After Installation

- Maintain a room temperature between 18°C and 30°C, and a subfloor temperature between 15°C and 29°C, for 72 hours after installation. Apply gradual heating and avoid temperature increases greater than 5°C per 12 hours.
- Do not place rubber- or latex-based materials on the floor. Avoid furniture with rubber or latex feet; protect them with felt pads. Remove all loose debris and ensure dirt and grit are cleaned using a vacuum cleaner or soft broom. Clean the floor with a mop using a pH-neutral cleaner or a lightly diluted alkaline cleaner.
- Prevent exposure to water for 72 hours after installation. After this period, the adhesive becomes sufficiently water-resistant so that bond strength is no longer affected.

6. Waste Management

The roll packaging is made almost entirely from recycled materials and is 100% recyclable. Disposal instructions are indicated on the packaging label. Some countries may have specific labeling requirements.

The Take-Back Program is designed to facilitate the collection and recycling of used heterogeneous vinyl flooring, helping to reduce waste and promote sustainability. Through this program, flooring is processed into new materials to minimize environmental impact. Depending on the product type, either downcycling or floor-to-floor recycling solutions are used. The program is primarily intended for European countries and the UK due to CO_2 impacts related to transportation. For other regions, please contact our Sales team or the Recovery team at recover@unilin.com for information on local take-back or disposal programs and facilities.



7. Terms and Conditions, Warranty

Separate purchase T&C http://conditions.unilin-flooring.com/ and IVC sheet vinyl warranty clauses, apply These are available on the IVC Commercial (https://www.ivc-commercial.com/en/sheet-vinyl/installation) and IVC Living (https://www.ivc-living.com/en) website and via the links provided in the purchase order confirmation. Please read them carefully prior to purchase and installation and retain them for future reference. Installation and maintenance videos are available as well.

Further queries and claims must be reported through the respective distribution channel, which may forward the claim using a claim form to IVC.aftersales@unilin.com, or, for Poland, to the sales office at officeflooringpolska@unilin.com

This version was issued in July 2026 and replaces all previous versions. The English version shall always prevail. IVC reserves the right to update this information at any time without prior notice.

Enjoy your sheet vinyl floor!