

Specification Sheet No

PSA
167

Description

SECURA PUR 3.00MM

Date

JUNE
2023

ARCHITECTURAL SPECIFICATION / BOQ

SPECIFICATION:

Supply and install Secura PUR flexible PVC sheet flooring in 3.0mm thickness, heterogeneous in construction with a 0.35mm clear PVC wear layer, incorporating a specially formulated polyurethane reinforcement, to significantly reduce maintenance costs, accordance with EN ISO 26986 (EN 653), the in-use classification must be at least 23/32/41 as described in EN 685 and EN ISO 10874: i.e. domestic areas with intense use; commercial areas with medium traffic; and general light industrial areas, when tested to EN ISO 10140-3 (EN ISO 140-8), the product should achieve an impact sound reduction of 19dB, with regards the EN 13893 test for slip resistance, the flooring shall be classified DS, making it suitable for use in areas which are predominantly dry but with occasional wet spillage, when tested to DIN 51130, the flooring shall be classified as R10. For safety flooring with sustainable wet slip resistance, refer to the Polysafe ranges, in respect of flame spread, the flooring shall have been fully tested to EN 13501-1 and certified as having Class Bfl, achieving the criteria EN ISO 9239-1 $\geq 8 \text{ kW/m}^2$ and the mandatory requirement of EN ISO 11925-2 pass, when tested to EN 423 (ASTM F 1303-99), the flooring should achieve excellent chemical resistance, in respect of light fastness, the flooring shall have been fully tested to EN 105-B02 Method 3 as having a pass to ≥ 6 , the product must have been fully tested for abrasion resistance and meet the requirements of abrasion Group T, as defined in EN 653, in respect of residual indentation, the flooring shall have been fully tested to EN ISO 24343-1 (EN 433) as having a pass to $< 0.2 \text{ mm}$, when tested to ISO 16000 series AgBB VOC test, the flooring shall have passed, giving a low result. Eurofins Indoor Air Comfort Gold Approved, the flooring must be available in 2m, 3m and 4m widths, including a 0.01-meter selvage for onsite trimming, to minimise the number of joints, this product does not accumulate static charges above 2kV and is classified as 'antistatic' when tested to EN 1815.

Colour:

Code:

INSTALLATION: (PLEASE NOTE: ALWAYS USE COMPATIBLE PRODUCTS FROM ONE SUPPLIER)

Please note the following: Due to extreme temperature fluctuations in South Africa and Africa, we DO NOT recommend the method of cold welding. Polyflor SA recommends hot welding of heterogeneous products.

RECEIPT & STORAGE

- > On receipt of rolls, check that colour references correspond to those ordered, that quantities are correct and that there is no damage.
- > In particular, check that rolls are from one batch, if that was requested on the order.
- > On arrival at site, the rolls should be safely secured, positioned, and stored in accordance with the directions on the roll label at a minimum temperature of 18°C for at least 48 hours prior to installation.
- > To achieve best results, site conditions should be as described in BS 8203 or prevailing local/national standards. A constant working temperature between 18°C and 27°C should be maintained for at least 48 hours prior to installation, during the installation and for 48 hours afterwards.

SPECIALIST FLOORING & WALL PROTECTION PARTNER

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LOOSE LAY CONDITIONING

- > Polyflor Loose Lay Vinyl sheet requires conditioning ahead of installation. Conditioning should be carried out in the same areas as the installation, to prevent thermally induced dimensional changes.
- > Conditioning should ALWAYS take place in the area that is to receive the installation.
- > The conditioning time should be increased to at least 48 hours where the sheet has been stored outside or stored/delivered at temperatures below 10°C

PRIOR TO INSTALLATION (UNDERFLOOR HEATING)

On installations where underfloor heating is used:

- > The system should be fully tested and commissioned prior to the flooring installation commencing.
- > Underfloor Heating systems should be switched off and be fully cooled for a minimum of 48 hours prior to the installation commencing. The system should remain off and fully cooled during the installation and for a minimum of 48 hours afterwards. Then slowly bring back up to the working temperature incrementally over several days.
- > A maximum subfloor temperature of 27°C should never be exceeded.

PREPARATION OF WORK AREA

- > The work area should now be prepared to receive the sheet flooring. Ensure that all other trades have completed their work and removed all their equipment and materials.
- >>Remove all debris and sweep or vacuum the whole floor area. Check the condition of the subfloor and make good as necessary.
- >>Stone or power grind any cementitious subfloor to remove any 'nibs' or ridges.
- >>Sweep or vacuum again prior to laying.
- >>If required by the contract, or if in doubt, check the moisture content of the subfloor and record the results and method used.
- >>Good lighting is essential.

LAYOUT OF LOOSE LAY VINYL SHEET

- >>The architect may have provided a drawing showing the direction in which the material should be laid. In this case, lay the sheet as directed.
- >>On installations where the architect has left this to the discretion of the flooring contractor; at the tender stage show in which direction the material will be laid and state that your estimate is based on this.
- >>If a joint is necessary always pay particular attention to where seams will fall, avoiding such occurrences as seams in the centre of doorways. If large windows are installed, minimise the effect of the joints by laying towards the window.
- >>For large areas over 20m² where a joint will be necessary or where rolling loads are likely, Polyflor recommend that the vinyl is fully bonded to the subfloor with a recommended adhesive from the Polyflor Approved Adhesive list.

SLABBING THE SHEET

- >>Polyflor recommends that all Polyflor sheet flooring be rolled out face upward, taking care not to damage the surface, and cut approximately to size.
- >>Allowance of at least 75mm should be made at the ends for trimming in, the slabs should then be left overnight for 24 hours to condition at a consistent temperature range between 18°C and 27°C.

FITTING THE FIRST LENGTH

- >>Place the first sheet in position next to the wall with the outer edge approximately 15mm from the nearest point.
- >>Adjust the lie of the sheet so that the inner edge is parallel with the axis of the room.
- >>Depending upon the depth of the recesses, either a bar scribe or a pair of scribes should be used to trace the profile of the wall. The scribes should be set to allow for the deepest recess or rake of the wall. The scribes should be set to allow for a 2mm expansion gap around the perimeter.
- >>Holding the scribes vertically and square to the edge, trace the wall profile onto the face of the sheet.
- >>Care should be taken when using the wider widths of loose lay sheet (3m or 4m) not to fully fold the sheet over itself when fitting into recesses and against walls as this can lead to pressure marks that might not relax out following installation.
- >>With this method, all irregularities of the wall will be accurately reproduced onto the surface of the sheet. If, because of the colour or decoration, the scribed line is difficult to see, rub suitably contrasting chalk dust into the line to highlight it.
- >>Ease the sheet away from the wall and, using a hook blade trimming knife, cut off the excess material to the scribed line.
- >>Slide the sheet back against the wall and check the fit, making any minor adjustments as necessary.
- >>When satisfied that the fit on the first edge is correct, use a pencil to trace the opposite edge onto the subfloor.
- >>In the centre of the room, draw a line on both the sheet and subfloor square to the main axis of the sheet.
- >>Keeping the inner edge of the sheet on line A-B, slide the sheet back to clear the wall at one end of the room.
- >>Set the scribes to the distance now allowing for a 2mm expansion gap.
- >>Trace the end wall profile and cut to fit as described in preceding paragraphs. Repeat for the other end of the sheet.

FITTING SUBSEQUENT LENGTHS

Alignment of decoration

- >>This type of floor covering features a print layer with a regular, repeat decoration (e.g., wood plank). It is important that care is taken to align the pattern decoration of each adjacent sheet.
- >>The label and printed information on the backing of the sheet must be checked and the product reverse laid when instructed.

CUTTING IN THE SEAMS

Polyflor recommends that all vinyl sheet floor coverings are welded. Further information on seam cutting and cold welding can be provided.

COLD/CHEMICAL WELDING

- >>Once the seam has been accurately cut as described previously and remembering that this type of welding should not be considered as gap filling, the seam can be welded.
- >>Cover the seam with the correct grade and width of masking tape; (min. 25mm wide) to prevent any excess welding liquid coming into contact with the vinyl surface.
- >>Cut through the tape at the seam, using a trapezoid or rolling knife with a sharp blade. Apply the welding liquid, as per the Werner Muller instructions, ensuring both hands are controlling the tube.
- >>Keep fingers away from the needle applicator.
- >>After approximately 10 minutes and once the welding liquid has cured, the masking tape should be carefully removed.

KEY POINT

Polyflor foam backed vinyl sheet flooring is liable to compression and sometimes, even after the final trim, the weld is proud of the floor. In this case using a Mozart trimming tool in preference to a traditional spatula is advisable.

MAINTENANCE: NOTE: NEVER USE A BLACK PAD TO SCRUB A PUR COATED FLOOR

To maximize efficiency of the cleaning system and minimize costs taking advantage of the Polyflor PUR-polyurethane reinforcement cross linked and UV cured finish, the following is recommended:

1. Post Installation:

- All loose dirt such as dust, grit, sand etc. must be removed, preferably by vacuuming the floor.
- The floor should then be cleaned using a neutral detergent, diluted as per the manufacturer's instructions, machine scrubbed and dirty cleaning solution wet vacuumed off the floor. (If a wet vacuum is not available, a mop and wringer system can be used).
- Adhesive can be removed with an appropriate detergent/solution such as Polyflor Powerclean if necessary. As a principle, aggressive solvents should be avoided as these may affect the PUR finish. More powerful detergents such as PRO-INOX (previously Resinox) from Industroclean can be used to remove persistent soiling which is not removed by the initial clean.
- The floor should then be rinsed until all traces of the neutral detergent are removed and wet vacuumed to remove all traces of water.

2. Daily

- Sweep/mop using a disposable cloth system such as the Masslinn system or vacuum to remove dust and grit; (Ensure that the vacuum is fitted with a Hepa filtration system in a healthcare environment)
- Spot or damp mop where required using a neutral detergent such as PROCLEAN.

3. Interim or Weekly Clean (Depending on conditions)

- To remove light scuff marks.

Dry buff with a +- 1000 rpm ultra-high speed burnisher using a clean 3M pink eraser or white pad.

- To remove heavy scuff marks:

Scrub with a low speed burnisher and neutral detergent, Proclean-diluted 100ml: 10L with cold water using the green Eco Brilliance pad.

4. Periodically (3-9 monthly) depending on conditions

- If required, scrub with a +- 165 rpm machine fitted with a red or blue pad using neutral detergent PROCLEAN diluted 20:1 with cold water as appropriate. Rinse well with clean water and dry buff with white pad to restore finish.

Please note that all PVC welding rod is not coated. We recommend the application of a layer of PUR sealer to all welds in a PUR sheeting floor to enhance maintenance procedures.

NB: to create a higher sheen on the floor, use a 1000 rpm machine using a clean white 3M pad or green Eco Brilliance Pad.

This program will keep maintenance costs to a minimum and requires no sealers.

Sufficient entrance or barrier matting is highly recommended and will greatly ease the maintenance programme.



Oakland Parquet **2167** LRV 39
86 x 700mm



Grey Oak Parquet **2168** LRV 37
86 x 700mm



White Limed Ash **2160** LRV 57
166 x 700mm



Honey Blushed Oak **2162** LRV 30
200 x 950mm



Country Oak **2130** LRV 20
200 x 900mm



Antique Herringbone **2129** LRV 20
140 x 700mm



Coastal Oak **2159** LRV 37
200 x 950mm



Sterling Oak **2161** LRV 40
200 x 950mm



Blond Oak **2127** LRV 42
200 x 700mm



Ebony **2135** LRV 12
100 x 900mm & 150 x 1000mm



Limestone **2111** LRV 55
333 x 500mm



Powdered Concrete **2164** LRV 40



Golden Oak **2128** LRV 37
62.5 x 300mm & 62.5 x 1000mm



Wheatfield Oak **2163** LRV 35
167 x 650mm



Natural Oak **2126** LRV 32
200 x 1000mm



Polished Concrete **2118** LRV 23



Plymouth Slate **2165** LRV 18
333 x 500mm



Black Slate **2114** LRV 8
333 x 500mm



Varian in colour and design is a feature of this product intended to enhance the natural appearance of the floor.
For final colour selection a larger sample should be used which Polyflor can provide.



Refer to BES Global ratings on www.premioblock.com

Secura

luxury vinyl sheet flooring

The Secura luxury vinyl sheet collection features a selection of 22 wood, stone and abstract designs, to complement a variety of interiors. Attractive yet practical, Secura offers 19dB impact sound reduction and is durable and easy to maintain. Available in 2,3 and 4 metre roll widths, Secura is also loose-lay meaning no adhesive is required.

Ideally suited for use in residential and light commercial applications.



	Gauge	EN 426/ISO 24340	3.0mm
	Wear Layer	EN 427/ISO 24340	0.35mm
	Roll Size	EN 426/ISO 24340	4m x 25m = 100m ² 3m x 25m = 75m ² 2m x 25m = 50m ²
	Total Weight	EN 430/ISO 23997	1780g/m ²
	General Performance	EN 653 EN ISO 20086	Conforms Conforms
	Use Area	EN 605/ISO 10874	
	Acoustic Impact Sound Reduction	EN ISO 140-8 EN ISO 10140-2	<19dB <19dB
	Resistance to Chemicals	EN 423 ISO 24687	Excellent chemical resistance
	Reaction to Fire	EN 135011	Class Bfl-S1
	Abrasion Resistance	EN 653	Group T
	Slip Resistance*	EN 10893 AS 4085 DIN 51330	Class GS (dry conditions) R10 R10
	Indentation Recital	EN 433/ISO 24343-1	<0.2mm
	Dimensional Stability	EN 434/EN ISO 23999	<±0.40%
	Flexibility	EN 435/EN ISO 24344	(Method A) / Pass 20mm Ø
	Thermal Resistance	ISO 6302	Suitable for underfloor heating 0.0525m ² K/W 0.525 1sq
	Electrical behaviour (body voltage)	EN 1075	<2kV Classified as 'antistatic'
	Light Fastness	ISO 105-B02	(Method 3) 4b
	Caster Chair (continuous use)	ISO 4008	Pass. Suitable for caster chairs.
	Furniture Leg	EN 424	Pass. Type 2 test
	VOC Emissions	Indoor Air Comfort GOLD FloorScore	Eurofins certified product Certified Product
	Responsible Sourcing	BES 6001	Very Good

Environmentally Preferable Flooring - Polyflor Secura achieves BIC Global A rating (Green) in the Green Guide to Specification in use areas such as education and healthcare. It is 100% recyclable. Visit www.polyflor.com/sustainability.

PUR - Polyflor Secura features a high quality cross-linked polyurethane reinforcement, UV cured to provide a low cost, polish free maintenance regime for the lifetime of the flooring.

Hygiene - All Polyflor commercial sheet vinyl ranges provide a continuous, impervious and hygienic flooring solution which can be confidently cleaned in accordance with recommended maintenance procedures and approved maintenance products. The implementation of an effective cleaning regime is the most important defence against infection.

For information regarding handling and installation, adhesives, maintenance, applications, chemical resistance and product warranty, consult Polyflor Customer Technical Services on +44 (0)161 767 1912, or email tech@polyflor.com.

*For safety flooring with sustainable wet slip resistance, refer to Polywalk ranges.

The data presented is correct at the time of printing. For latest information, please visit our website polyflor.com.

Decoration and shade may vary slightly from the samples shown.

