

Specification Sheet No

PSA  
164

Description

DESIGNATEX PUR

Date

JULY  
2023

## ARCHITECTURAL SPECIFICATION / BOQ

### SPECIFICATION:

Supply and install flexible Designatex PUR PVC sheet flooring in 3.0mm thickness, heterogeneous in construction with a 0.3mm clear PVC wear layer, shall incorporate a specially formulated polyurethane reinforcement, to significantly reduce maintenance costs, in accordance with ISO 26986 (EN 653), the in-use classification must be at least 23/32 as described in ISO 10874 (EN 685) i.e. domestic areas with heavy use and commercial areas with medium use, when tested to 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, when tested to ISO 26987 (EN423), the flooring should achieve good chemical resistance, in respect of light fastness, the flooring shall have been tested to EN 105-B02 Method 3 as having a pass to  $\geq 6$ .

Colour:

Code:

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

#### 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.

#### 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.

## SPECIALIST FLOORING & WALL PROTECTION PARTNER

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### **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**

- > Refer to Section 3.8 for information on alignment of decoration.
- > 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 20m<sup>2</sup> 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 scriber or a pair of scribers should be used to trace the profile of the wall. The scribers should be set to allow for the deepest recess or rake of the wall. The scribers should be set to allow for a 2mm expansion gap around the perimeter.
- > Holding the scribers 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 (line A-B).
- > In the centre of the room, draw a line on both the sheet and subfloor square to the main axis of the sheet (line C-D).
- > 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 scribers to the distance now between lines C and D 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.

#### **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.

#### **PATTERN TEMPLATE METHOD**

Areas which call for a considerable amount of fitting around obstacles, or which are too confined to lay down a sheet for fitting by normal methods, can be dealt with by templating the floor in felt paper.

- > Dry fit the area with felt paper, leaving a gap of 15mm to 20mm around obstructions and walls.
- > Draw around the fittings using a suitable measuring and marking device. Mark the template 'This Side Up.'
- > Place the sheet in a larger area with the face uppermost. Place the template on top ensuring the direction of decoration is correct. Secure the template firmly in position and mark the position of all obstacles using the template as a guide.
- > Using a sharp trimming knife, cut the sheet to the marked lines, and fit into position. Do not use the felt paper template as an underlay.

#### **MAINTENANCE:**

Excess adhesive can be removed with an appropriate solvent such as Polyflor Powerclean if necessary. As a principle, aggressive solvents should be avoided as these may affect the capping strip, leaving dull spots. More powerful detergents such as PRO-INOX from Industroclean can be used to remove persistent soiling which is not removed by the initial clean.

Two coats of a matt sealer such as Proflor HM can be applied as per the manufacturer's instructions.







Wipe with a damp cloth where required using a neutral detergent such as PROCLEAN.

We recommend that professional maintenance product suppliers be approached to determine the specific maintenance requirements for the application. Industroclean who supply the Pro range of products can be contacted directly on (011) 801 4600.

**This program will keep maintenance costs to a minimum.**

**HETEROGENEOUS**







**ABRE**  
CENTRIC  
CONTEMPORARY  
LIVING

	
<b>2341</b> Oak White Oak Plank dim: 200 x 100mm	<b>2343</b> Honey Walnut Oak Plank dim: 184 x 100mm
	
<b>2342</b> Colonial Oak Plank dim: 184 x 90 x 120mm	<b>2345</b> Coffee Oak Plank dim: 184 x 100mm
	
<b>2346</b> Danish Oak Plank dim: 184 x 100mm	<b>2347</b> Sicilian Oak Plank dim: 184 x 100mm






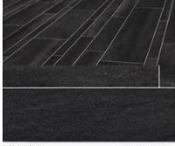
Decorative and stable may vary from sample shown.  
It is recommended to view larger samples or product color before final selection. Contact [www.polyflor.com](http://www.polyflor.com)

**100% RECYCLABLE**

\* Refer to ABRE Global website for more information.

	
<b>2336</b> Lacini Oak Parquet Plank dim: 76.2 x 226.6mm	<b>2337</b> English Oak Parquet Plank dim: 76.2 x 226.6mm
	
<b>2338</b> Riva Oak Parquet Plank dim: 76.2 x 226.6mm	<b>2339</b> Stockholm Parquet Plank dim: 184 x 100mm
	
<b>2342</b> Platinum Oak Plank dim: 184 x 100mm	<b>2344</b> Nero Oak Plank dim: 128 x 100mm

**Designatex**  
Tactile backed luxury vinyl sheet flooring

	
<b>2348</b> Cottage Parlay = 184 x 164 - 133 x 100mm	<b>2349</b> Tucson Parlay = 184 x 164 - 133 x 100mm
	
<b>2350</b> Barga Limestone = 300 - 800 x 143mm	<b>2351</b> Manhattan Limestone = 300 - 800 x 143mm
	
<b>2352</b> Quartz Stone = 300 - 1000 x 30 - 135mm	<b>2353</b> Rich Stone = 300 - 1000 x 30 - 135mm

Dimension: 8 Random Laid • Straight Laid • Multi-Way

**POLYFLOR**  
COVERING THE WORLD

# ARCHITEX

Textile backed luxury vinyl sheet flooring

The Architex luxury vinyl sheet collection features a selection of 18 wood, stone and abstract designs, created to enhance residential interiors. With a premium textile backing, Architex provides warmth and comfort underfoot with the added benefit of being durable and easy to clean. Available in 2, 3 and 4 metre roll widths, Architex is also loose lay meaning no adhesive is required.

Ideally suited for use in residential and light commercial applications.



	Gauge	ISO 24346 (EN 428)	3.5mm
	Wear Layer	ISO 24340 (EN 429)	0.35mm
	Roll Size	ISO 24341 (EN 426)	4m x 20.25m 3m x 20.25m 2m x 20.25m
	Total Weight	ISO 23997 (EN 430)	2150g/m <sup>2</sup>
	General Performance	ISO 20986 (EN 653)	Conforms
	Use Area	ISO 10874 (EN 685)	
	Acoustic Impact Sound Reduction	ISO 10140-3	>19dB
	Resistance to Chemicals	ISO 20987 (EN 423)	Good
	Reaction to Fire	EN 13501	Class Bfl-S1
	Abrasion Resistance	EN 653	Group T
	Slip Resistance*	EN 13993 DIN 51330	Class DS (dry condition) R10
	Residual Indentation	ISO 24343-1 (EN 433)	<0.2mm
	Dimensional Stability	ISO 23999 (EN 434)	<0.40%
	Flexibility	ISO 24344 (EN 435)	(Method A) / Pass 20mm Ø
	Underfloor Heating		Suitable, max 27°C
	Thermal Resistance	EN 12667	0.0542m <sup>2</sup> K/W 0.542 Toq
	Static Electrical Propensity	EN 1815	<2.0kV Classified as 'antistatic'
	Light Fastness	ISO 105-B02	(Method 3) >6
	Castor Chair (continuous use)	ISO 4918 (EN 425)	Suitable
	Furniture Leg	ISO 16581 (EN 424)	Conforms
	VOC Emissions	Indoor Air Comfort GOLD FloorScore	Eurofins certified product Certified

**Environmentally Preferable Flooring** - Polyflor Architex achieves BRE Global A+ rating (Generic) in the Green Guide to Specification. It is 100% recyclable. Visit [www.polyflor.com/sustainability](http://www.polyflor.com/sustainability)

**PUR** - Polyflor Architex 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](mailto:tech@polyflor.com).

\*For safety flooring with sustainable wet slip resistance, refer to Polysafe ranges.  
The data presented is correct at the time of printing. For latest information, please visit our website [polyflor.com](http://polyflor.com).

Decoration and shade may vary slightly from the samples shown.

