

IMPACTPRO®

NBS SPECIFICATION

IMPACTPRO® CALYX

2.5 mm PVC-U tile-effect hygienic wall sheet

ISSUE	1.0
ISSUE DATE	April 2026
NBS SECTION	M50 - Rubber/plastics/cork/lino/carpet tiling/sheeting
CLAUSe	110 - PVCu linings to walls

Prepared for project specification and tender documentation.
Project-specific fields, substrate requirements and accessories must be completed by the specifier before issue.

PROJECT PARTICULARS

PROJECT	
LOCATION	
SUBSTRATE	
PREPARATION	

110 PVCu LININGS TO WALLS

PROPERTY	SPECIFICATION
Sheet	Extruded semi-rigid PVC-U sheet, EU grade
Maximum service temperature	60°C
Fire classification	EN 13501-1 Class B-s3, d0*
Manufacturer	Impact Group UK
Product reference	IMPACTPRO® CALYX hygienic wall sheet
Telephone	0800 669 6306

PROPERTY	SPECIFICATION
Email	hello@impactgroupuk.com
Website	www.impactgroupuk.com
Width	Dependent on selected CALYX design
Length	Dependent on selected CALYX design
Thickness	2.5 mm
Surface finish	Precision-etched satin tile-effect finish
Colour	Various; refer to current CALYX design range
Light reflectance values	Available on request, where tested
Adhesive	ImpactPUR two-part polyurethane adhesive or manufacturer-approved system adhesive
Joints	Half-lap sealed joint or interlocking dry joint, selected to suit environment and installed in accordance with manufacturer instructions
Accessories	Manufacturer-approved trims, sealants and accessories as required for a complete system
Maintenance and finishing	In accordance with Impact Group UK recommendations
Special requirements	CALYX sheets must not be thermoformed. Detail corners and junctions using approved trims or fabricated solutions.

** Fire and performance claims must be supported by the latest approved test evidence and declarations applicable to the supplied product.*

210 WORKMANSHIP GENERALLY

Ensure all bases are rigid, dry, sound, smooth and free from grease, dirt, dust and other contaminants before coverings are applied. Accurately fit and joint finished coverings in accordance with manufacturer instructions. Completed work must be securely bonded, smooth and free from air bubbles, rippling, adhesive marks and stains.

220 SAMPLES

Before placing orders, submit a representative sample of each type, colour and finish of covering for approval. Ensure delivered materials match the approved samples.

230 CONTROL SAMPLE(S)

Complete area(s) of finished work in approved location(s) and obtain approval of appearance, joint alignment and detailing before proceeding with the remainder of the installation.

251 LAYOUT

Set out sheet coverings to maintain the selected CALYX pattern and keep joints to a practical minimum. Coordinate joint positions with corners, openings, fittings and prominent sightlines.

310 MARKING

Ensure materials are delivered to site in original packaging and clearly identified with product, colour/design and batch information.

320 STORAGE

Store materials flat and fully supported in a clean, warm, dry and well-ventilated place. Do not store outside or in direct sunlight. Retain original packaging until conditioning commences.

330 COMMENCEMENT

Do not install until the building is weather-tight, wet trades are complete, substrates and paintwork are dry, and service outlets and fixtures that affect the work are in place. Inform the Contract Administrator at least 48 hours before commencing installation.

340 CONDITIONING

Store sheets flat, fully supported and in the installation area for at least 24 hours to attain ambient room temperature. Maintain a minimum temperature of 14°C. Increase conditioning time where materials have been stored below 10°C.

350 ENVIRONMENT

Maintain adequate ventilation before, during and after installation. Maintain temperature and humidity conditions similar to those expected during occupation.

350A ENVIRONMENT: HEAT

IMPACTPRO® CALYX PVC-U wall sheets have a maximum continuous service temperature of 60°C. Where surfaces are exposed to higher temperatures or direct heat sources, provide suitable stainless-steel or other approved heat protection extending at least 300 mm beyond the heat source. Ensure extraction systems are operational before heat-emitting equipment is commissioned.

410 SUITABILITY OF NEW SUBSTRATES AND CONDITIONS

Commencement of fitting will be taken as joint acceptance by the main contractor and specialist installer that substrates and environmental conditions in each area are suitable.

420 SUITABILITY OF EXISTING SUBSTRATES AND CONDITIONS

Before commencing work, confirm through the main contractor that existing substrates will be suitable to receive the specified covering following the agreed preparation.

430 DAMPNESS

Where linings are to be fitted to new wet-laid substrates, verify that substrates have dried to a maximum of 16% Wood Moisture Equivalent (WME), or to the adhesive manufacturer's stated limit where lower. Take and record readings at representative locations before installation.

440 SUITABLE SUBSTRATES: GENERAL

Acceptable substrates may include fair-faced brickwork, cement render, plasterboard, plywood, MDF and clean, securely bonded ceramic tiles, subject to project assessment. Surfaces must be flat, stable and suitable for adhesive bonding. Seal or prime porous substrates using a manufacturer-approved stabilising primer in accordance with the primer instructions.

640 ADHESIVE FIXING GENERALLY

Do not store adhesive below 5°C. Maintain a minimum installation temperature of 14°C. Clean the rear of sheets before adhesive application. Apply adhesive evenly using the recommended notched trowel; do not spot-bond. Press panels firmly and roll the full surface to ensure complete contact and remove trapped air.

641A ADHESIVE FIXING - IMPACTPUR

Use ImpactPUR two-part polyurethane adhesive mixed and applied strictly in accordance with current product instructions. Apply using the recommended notched trowel and install sheets within the stated open time. Temporarily support sheets and joints as required until the adhesive has cured. Avoid rapid temperature increases and protect the installation until full cure is achieved.

731 SEALANT

Use a manufacturer-approved antibacterial sanitary sealant compatible with the CALYX sheet and selected jointing system. Select colour to coordinate with the sheet design. Apply to clean, dry joint surfaces in accordance with sealant manufacturer instructions.

810 CLEANING GENERALLY

Remove dust, adhesive and installation residue. Clean surfaces using approved non-abrasive cleaning agents and soft cloths. Do not use abrasive pads, solvents or cleaning processes exceeding 60°C.

821 FINISHING PVC WALL CLADDING

Remove protective film only when wet and dusty works are complete. Inspect the surface, joints, trims and sealant lines. Rectify defects and leave the installation clean and ready for handover.

870 PROTECTION

Protect installed panels from impact, abrasion, contamination and following trades using clean, non-abrasive protective materials. Do not apply adhesive tape directly to the finished face unless approved by the manufacturer.

SPECIFICATION NOTES

- Coordinate this clause with drawings, room data sheets, finishes schedules and project-specific hygiene requirements.
- Confirm CALYX design, panel dimensions, joint system, trim details and substrate preparation before ordering.
- Use only current Impact Group UK technical data, installation guidance and approved system components.
- This model specification is provided as guidance and must be reviewed and completed by the project specifier.

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