ISSUE 1

INSTALLATION GUIDE

HYGIENE WALL CLADDING



STORM HYGIENE CLADDING

ABOUT THIS GUIDE

Fixing STORMCLAD, STORMBRITE and STORMLITE sheets to internal walls with STORMGRIP adhesive, STORMFIX sealant and STORM hygiene cladding trims. Covers trim-jointed walls; ceilings, external use and hot-air welding are not covered.

Use **solvent-free** adhesives and sealants only, because solvents damage PVC. For cold stores, hot areas, food processing or fire-rated walls, call STORM on **01278 455326** before installing.

SYSTEM COMPONENTS

PRODUCT	DESCRIPTION	SIZE	SHEET SIZE / COVERAGE
STORMCLAD	Solid PVC sheet, white satin finish, protective film	1.5 / 2 / 2.5 mm	1220 x 2440 or 3050 mm
STORMBRITE	Foamed PVC sheet with a solid high-gloss surface, white	3 / 5 mm	1220 x 2440 or 3050 mm
STORMLITE	Foamed PVC sheet, white matt finish	3 / 5 / 10 mm	1220 x 2440 or 3050 mm
Trims (white)	Starter ST, 2-part Starter ST-2, Division Bar DIV, 2-part Division Bar DIV-2, Internal Corner INT, Large Internal Angle INT-50, External Corner EXT, Large External Angle EXT-50. Order to suit sheet thickness.	—	"-25-" 2.44 m / "-30-" 3.05 m
STORMGRIP A1596	Two-part solvent-free PU adhesive. Working time 30–40 min at 25 °C; tack-free 4–6 h; full cure 24 h	6.5 kg tub	1 tub per 2440 mm sheet; 1.25 tubs per 3050 mm sheet
STORMFIX	One-part solvent-free hybrid sealant and adhesive for trims, channels and joints. Apply at 1–30 °C	290 ml	—

All sheets: service temperature **−20 °C to +60 °C**; thermal expansion 0.068 mm/m°C (about 2 mm over a 3 m sheet for a 10 °C change). **Fire:** STORMCLAD EN 13501-1 B-s3, d0 and BS 476-7 Class 1 (Class 0 on a non-combustible substrate); STORMBRITE and STORMLITE BS 476-7 Class 1. Certificates on request.

BEFORE YOU START

- **Conditions:** building weathertight and wet trades dry. Wall **15 °C or more** and room **10 °C or more** while fixing and curing. Install at the room's working temperature and keep it steady until cured.
- **Heat and cold:** never clad near hot areas. Do not clad directly behind cookers, fryers, heaters or vents; fit a heat-resistant splashback. Cold rooms (to −20 °C): install and cure at 10 °C or more first. PVC is more brittle when cold, so handle with care. Not for freezers below −20 °C.
- **Sheets:** store flat indoors, fully supported, out of sunlight and below 20 °C; never stand sheets on end. Lay them in the room for **24 hours** before fitting. Use one batch per wall, all the same way up, and inspect each one.
- **Wall:** smooth, level, sound, dry, clean and dust-free, with no loose paint, wallpaper or grease. Fill hollows and remove high spots. Prime porous or dusty surfaces. Tiles must be firmly bonded, degreased and keyed. Treat damp and mould first.
- **Services:** sockets, switches and pipework at first fix before cladding, moved only by a qualified electrician or plumber. Insulate hot pipes.

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INSTALLATION

1 SET OUT

Fit coving or flooring first. Mark a level datum line with a laser, measured from the sub-floor and allowing for the skirting or cove. Mark plumb lines. Plan joints so the end sheets are equal widths. Start at the internal corner furthest from the door.

2 CUT

Keep the film on and mark cuts on it. Thin sheets: sharp craft knife, several light passes. Saws: sharp wood or plastics blade, handsaw face up, power saw face down, sheet supported. Deburr edges. Drill holes 3–4 mm oversize and round cut-out corners. Dry-fit with a **2–3 mm gap** at every edge and inside trims.

3 FIX TRIMS

Fix the starter trim level along the datum line (and at the top if required) and the internal corner trim plumb. Screw each trim to the wall over a bead of STORMFIX. For 2-part trims, fix the base only.

4 MIX STORMGRIP

Mix only when the sheet is ready. Pour all of Part B into Part A and mix with a paddle until the colour is even. Working time 30–40 min at 25 °C, less when warm.

5 APPLY

Clean the back of the sheet. Use a notched trowel to apply a full, even coat with no bare patches, because air gaps harbour bacteria. Stop short of edges that go into trims. Run a bead of STORMFIX inside each trim channel, especially at the base.

6 FIT

Peel the film back about 50 mm at the edges. Drop the sheet into the bottom trim and flex it into the top trim, leaving the 2–3 mm gap. Press or roll from the centre outwards to expel air. Support it until tack-free (4–6 h).

7 JOINTS AND CORNERS

One-piece bar: STORMFIX in the channel, slide it onto the sheet edge, screw it to the wall, then ease the next sheet in from the bottom up. **Two-part:** screw the base on with a 2–3 mm gap to the centre fin, fit both sheets, then press on the cap. Use corner trims the same way, and sheet strips with corner trims for reveals.

8 SEAL AND FINISH

Run a continuous STORMFIX bead at floors, ceilings, worktops, frames and every penetration, and tool it smooth. In food areas use a food-safe sanitary sealant. Allow **24 hours** before cleaning, fixing or use. Remove the film once installation is complete.

TOOLS AND PPE

Tape measure, laser level, sharp craft knife, fine-tooth wood or plastics saw (handsaw, jigsaw or circular saw), hacksaw and mitre box, file, drill and hole saws, screwdriver, screws and plugs for trims, paddle mixer, notched trowel, laminate roller, sealant gun.

HEALTH AND SAFETY

Read the STORMGRIP and STORMFIX Safety Data Sheets and complete a COSHH assessment. Ventilate the room. Wear safety glasses and nitrile gloves, a dust mask when cutting or drilling, and hearing protection with power tools. Keep naked flames and high heat away: PVC gives off HCl fumes above 150 °C. Use two people for 3050 mm sheets, and isolate electrics before removing faceplates.

CLEANING AND AFTERCARE

Clean with warm (not hot) soapy water or an anti-static cleaner and a soft cloth. **No abrasives, scourers, squeegees, solvents or steam.** Pressure washers: warm water, at least 600 mm from the wall. Resists dilute acids and alkalis, alcohols, glycols and most cleaning solutions; keep solvents and wet wood preservatives off. Inspect sealant lines and renew any damage.

GUARANTEE

STORM guarantee terms are available on request. They require installation to this guide with STORMGRIP and STORMFIX, sealed joints and use within −20 °C to +60 °C. Damage from impact, abuse, fixings or modifications is not covered.

IMPORTANT NOTICE

Data contained in this document is for information only and is believed to be reliable. Southgate Plastics Ltd cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine the suitability of the product for any specific purpose.