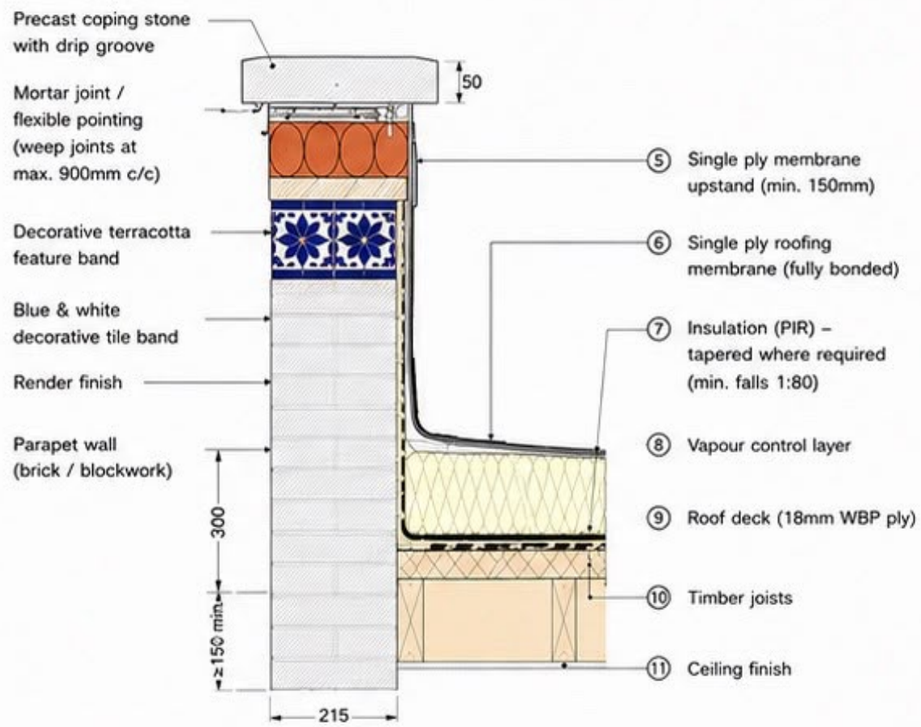
PARAPET ROOF DETAIL

FLAT ROOF SYSTEM BEGINS AT PARAPET

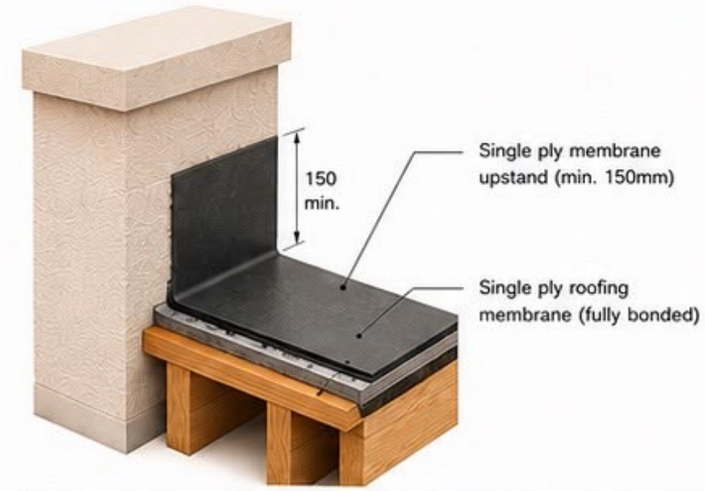
EXTERNAL ELEVATION – PARAPET FINISH (AS SHOWN)

DETAIL SUMMARY

Roof Type:	Warm Flat Roof
Roof Finish:	Single Ply Membrane
Parapet Height:	300mm above roof finish
Roof Build-up:	Insulated, adhered system
Roof Falls:	Min. 1:80 to outlets
Upstand Height:	Min. 150mm above finished roof level
Weathering:	Good – parapet coping with drip
Thermal Target:	U-value: ≤ 0.18 W/m²K
Compliance:	Building Regs (Part L), BS EN 1991, BS 6229, BS 8217



FLAT ROOF BUILD-UP (INTERNAL FACE ONLY)



ROOF BUILD-UP (INSIDE TO OUTSIDE)

No.	Layer	Material	Thickness
1	Ceiling finish	Plasterboard	12.5mm
2	Timber joists	C16 @ 400mm c/c	195mm
3	Roof deck	WBP Plywood	18mm
4	Vapour control layer	Bituminous VCL	–
5	Insulation	PIR rigid board	120–150mm (tapered)
6	Roofing membrane	EPDM / TPO / PVC	1.2–1.5mm
7	Upstand	Membrane upstand	150mm min.
8	Parapet wall	Brick / blockwork (rendered)	215mm typ.
9	Render finish	Cementitious render system	15–20mm
10	Decorative terracotta band	Terracotta feature	–
11	Blue & white tile band	Decorative tile	–
12	Mortar joint	Mortar joint (flexible)	–
13	Coping	Precast coping stone	50mm

Note: Insulation thickness to achieve U-value ≤ 0.18 W/m²K

EXTERIOR PARAPET FINISH (AS SHOWN)

- Precast coping stone with drip to front
- Mortar joint / flexible pointing with weep joints at max. 900mm centres
- Decorative terracotta feature band
- Blue & white decorative tile band
- Render finish to match wall below
- All external finishes to weather appropriately

KEY DIMENSIONS

- Parapet height above roof finish: 300mm
- Upstand height above roof finish: min. 150mm
- Parapet wall thickness: 215mm (typical)
- Coping overhang: 15–20mm each side
- Weep joints: max. 900mm centres
- Minimum falls: 1:80 to outlets

NOTES

- Ensure all membranes are installed in accordance with manufacturer's instructions.
- All upstands to be turned up min. 150mm above finished roof level.
- Parapet coping stones to have min. 15mm drip and be bedded on flexible mortar.
- Provide weep joints to allow drainage and prevent water tracking.
- All dimensions in millimetres unless stated otherwise.

MATERIAL SPECIFICATION

- Roofing membrane: Single ply EPDM / TPO / PVC, fully adhered
- Insulation: PIR board, foil faced both sides
- Vapour control layer: Bituminous VCL
- Roof deck: 18mm WBP plywood
- Parapet wall: Brick / blockwork, rendered
- Render: Cementitious render system
- Coping: Precast concrete coping stone with drip
- Decorative band: Terracotta feature elements
- Mortar joints: Flexible mortar with weep joints at max. 900mm c/c

STANDARDS & COMPLIANCE

- **BS 6229:** Flat roofs with continuously supported flexible waterproof coverings
- **BS 8217:** Code of practice for reinforced / unreinforced bituminous membranes
- **BS EN 1991-1-3:** Actions on structures – Snow loads
- **Building Regulations:** Part L (Conservation of fuel and power)
- **Guidance:** NHBC Standards 2024 – Flat roofs