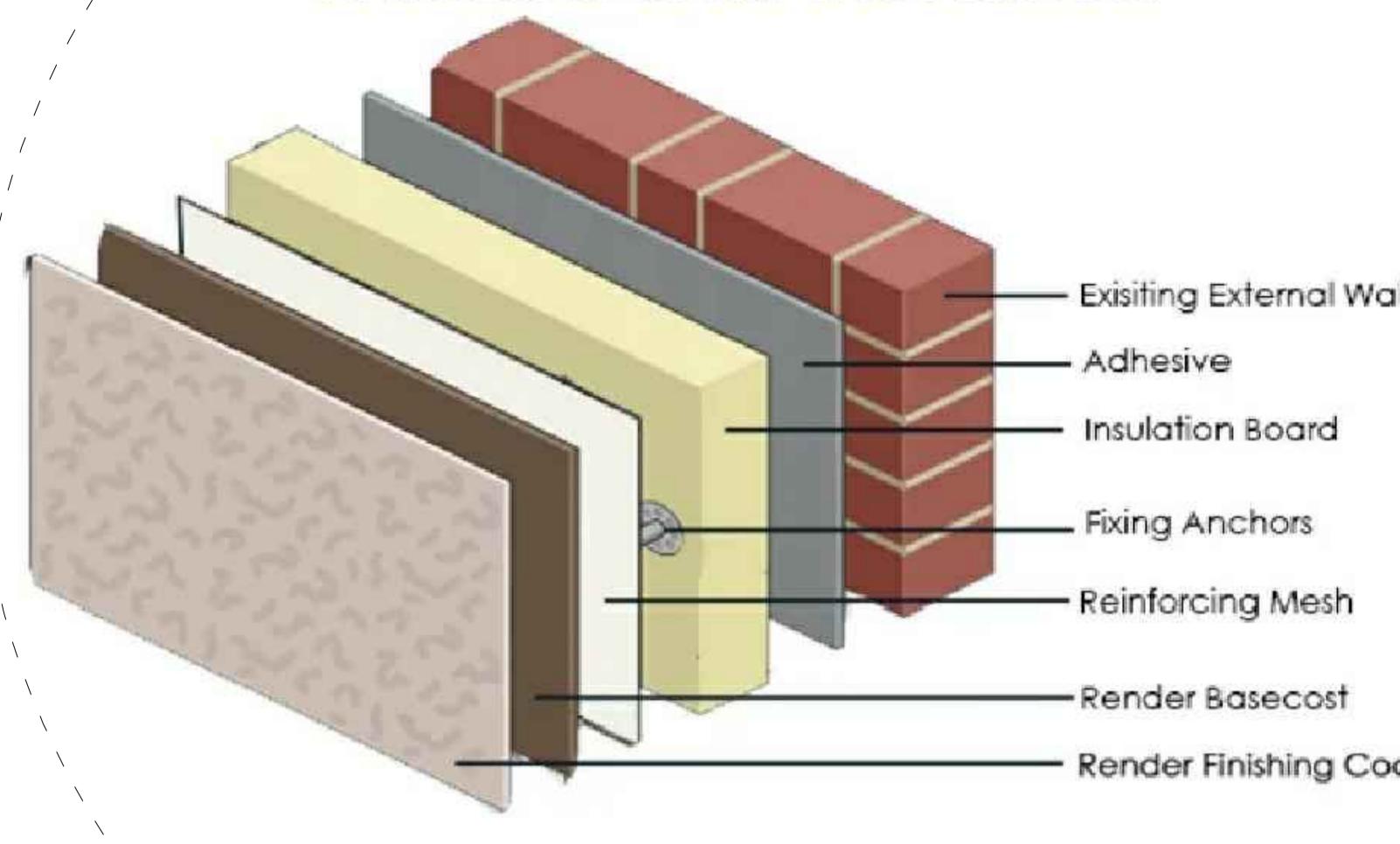
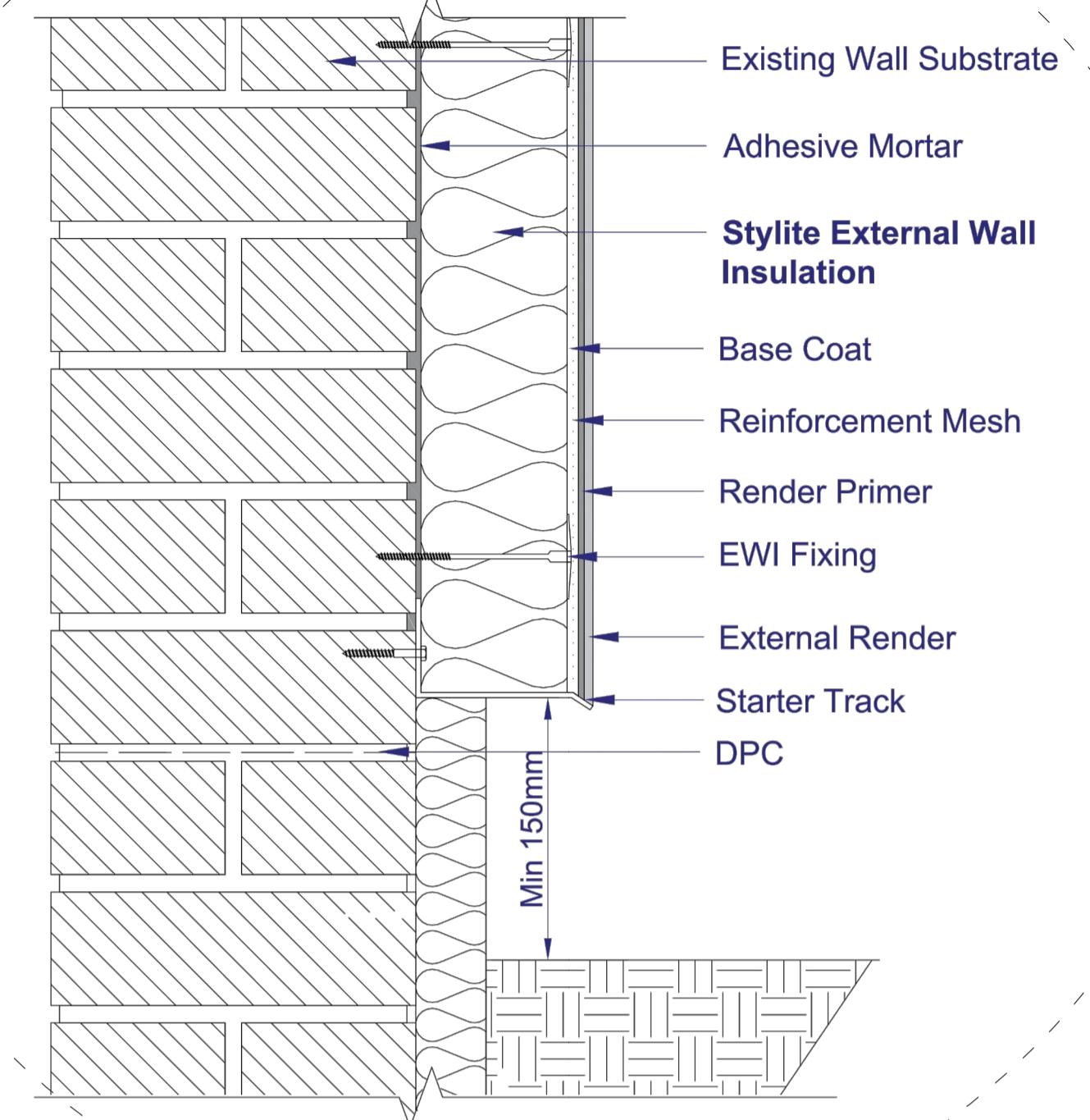


External Wall Insulation



U-Value to be below 0.30 (W/m²K)

Wall finish layers
not in scale



lower level wall section
not in scale

The external Polystyrene insulation boards are the perfect solution to insulate an external wall. They can be easily fixed to the existing wall substrate to instantly improve the appearance and thermal performance of the wall. Insulating the external side of the wall as opposed to the internal side of the wall will reduce the risk of any interstitial condensation forming within the wall.

Durability

Expanded Polystyrene insulation is rot proof, Expanded Polystyrene is not affected by bacteria, moulds or fungi, and will not provide nutrient value for insects or vermin. Expanded Polystyrene does not lose any performance over time and will remain an effective insulation for the life of the building.

WALL DETAILS AND LAYERS

- 13mm internal plaster with conductivity of 0.57 W.m⁻¹.K⁻¹.
- 225mm thick solid brick masonry wall with conductivity of 0.77 W.m⁻¹.K⁻¹.
- External insulation with conductivity of 0.030 W.m⁻¹.K⁻¹.
- 16mm render finish with conductivity of 1.00 W.m⁻¹.K⁻¹.

EXTERNAL WALL LAYERS BENEFITS

- Suitable for all wall applications up to 18m
- Lambda from as low as 0.030W/mK-a rated for energy efficiency and reduced costs
- Compatible with adhesive and mechanically fixed systems
- No reduction in performance over time
- Minimal water absorption & permeability
- 100% recyclable
- BRE Green Guide Rating of A+

Project	Notes	Scale						
33 Merle Avenue, Harefield, Uxbridge, UB96DG		not in scale						
Title			Number	Revision				
External wall finishes/insulation system			01-24-T0010	A				
					Rev	Date	Reason For Issue	Chk