

Case Study

PHENOLIC INSULATION ONTO BRICK



SUMMARY

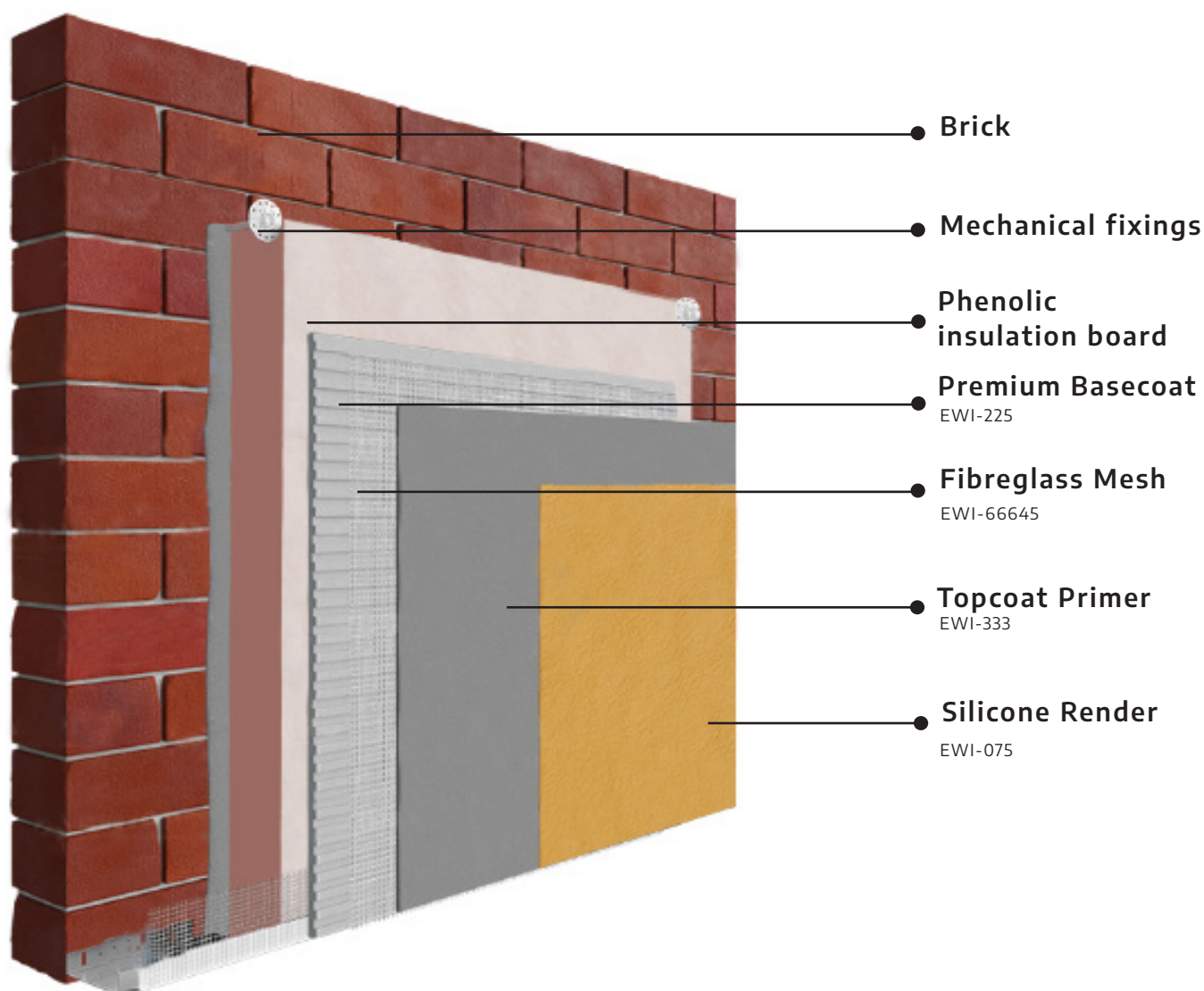
- Substrate: Brick
- U-Value change: 2.7 W/m²K - 0.28 W/m²K
- Topcoat: EWI - 075 Silicone Render - 1.5mm
- Basecoat: EWI - 225 Premium Basecoat
- Colour: Sky - 24040
- Location: London
- Installer: Ellan Vannin Plastering



WHAT IS PHENOLIC INSULATION?

Kingspan K5 Phenolic insulation boards are made of high-quality phenolic foam. Phenolic insulation boards are CFC- and HCFC-free and have an ozone depletion potential of zero. Therefore, their environmental impact is very low for a foam insulation material.

For this project, the phenolic boards were fixed onto the substrate using a basecoat of EWI-225 and mechanical anchors for maximum structural stability. The basecoat was applied with a fibreglass reinforcing mesh, complete with a decorative thin-coat render. The result is a superior external insulation system offering excellent thermal comfort.



EWI-075 Silicone Render is flexible, breathable and hydrophobic, making it crack-resistant and therefore ideal for external wall insulation systems. It is also available in an array of colours, catering to every taste.

In conjunction with EWI-075 Silicone Render, EWI-225 Premium Basecoat was used given their excellent compatibility. Together, they work to create a highly flexible system with extremely long-lasting qualities, assuring the system will remain for years to come.



EWIPro External Wall Insulation System

London

- 🏠 Unit 1, Kingston Business Centre,
Chessington, Surrey, KT9 1DQ
- 📞 08001337072
- ✉️ info@ewipro.com
- 🌐 www.ewipro.com

Aylesbury

- 🏠 Unit 22, Faraday Road
Bicester Road Industrial Estate
Aylesbury, HP19 8RY
- 📞 01296 821067