

Case study: Hemshof “Kolonie” – renovation and insulation of 27 houses using insulation materials made of Neopor®

- Energy-efficient renovation of the “Kolonie” company housing estate in Ludwigshafen, Germany, from 2005 to 2015
- Construction period: 1872 to 1911
- Modernisation of 27 houses:
 - 22 workers’ houses each comprising 4 flats of 75m²
 - 5 masters’ houses each comprising 4 flats of 108m²
- Measures to improve energy efficiency:
 - New windows and doors
 - Basement ceiling insulation using Neopor®
 - Above-rafter insulation using Neopor®
- “Master’s house at Sodastraße 40” as test property for interior insulation
- Heating energy requirement reduced by around 50 %

