



**sps|envirowall**  
TOTAL RENDERING SOLUTIONS

# System Built **Housing**

Wimpy No Fines

3rd Edition, 2010

## System Built **Housing**



### **Wimpey No Fines**

Constructed from cast in-situ concrete, No-Fines was one of the most successful system built houses. More than 300,000 were built by George Wimpey & Co Ltd in the 1940's right through to the 1960's, with varying styles including houses, bungalows, maisonettes and low-rise blocks of flats.

The wall construction contains no sand fraction using  $\frac{1}{2}$ " to  $\frac{3}{4}$ " stone aggregate mixed with cement. This creates a honeycomb type structure within the concrete giving a lower U value than dense concrete. The construction of the system is similar to that of traditional solid walled masonry properties and offers a high level of robustness. The external walls range from 8 to 12 inches in thickness, with reinforcement bands at first floor level.

# System Built Housing

## Potential Problems

The overall condition of these structures is considered to be good, requiring minimal attention in the way of concrete repairs. However the pebble dash render finishes can vary in condition. The quality and cracking of the façade can be from foundation movement to spalling of the render finish.

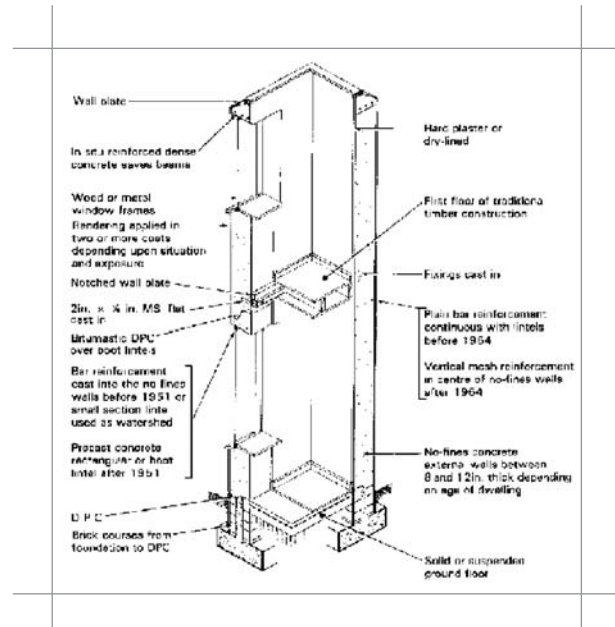
Common positions these occur are party wall movement joints being rendered over, vertical cracking above communal passageways and horizontal cracking above render drip details above windows. The installation of external wall insulation can easily bring the house within the latest building regulations for thermal performance.

## Specification

To achieve 0.35 W/m<sup>2</sup>K,

- **Adhesive Mortar (5mm) - optional**
- **Insulation**
  - EPS – 90mm
  - Rockwool - 80mm
  - Phenolic – 50mm
- **Nylon Insulation Fixings**
- **Base coat (4mm)**
- **Reinforcement mesh**
- **Top Coats (2-15mm)**
  - Envirodash
  - Envirobrick
  - Brick Slips
  - Eco**rend**/Granicem L Monocouche Renders
  - Enviro**sil**/Enviro**cryl** top coat

For a full technical consultation, survey and project specific report and specification please contact [sps|envirowall's](#) technical department.



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