



CASE STUDY

BOTTLING & BLENDING PLANT, KILMARNOCK

Thompsons of Prudhoe were appointed as Principal Contractor to carry out the demolition of the former Johnnie Walker blending and bottling plant in Kilmarnock. The total site area was 60,000m² and our works comprised total asbestos removal and demolition down to slab level of 15 buildings and other structures located on the site. All works were completed using our own plant and equipment. All asbestos works were carried out using our own trained operatives, under our own asbestos licence. All the buildings were of various constructions as outlined below:

- Administration Block – 3 storey concrete frame – 750m²
- Pug Shed – single storey steel portal frame – 1160m²
- Garage Workshop – single storey steel portal frame – 1100m²
- HR Building – single storey concrete frame – 950m²
- Bond 1 – 4 storey maximum concrete frame – 9600m²



DEMOLITION SPECIALIST OF THE YEAR 2014 WINNER



Project:
**Johnnie Walker
 Blending & Bottling
 Plant**

Client:
Diageo Plc

Contract Administrator:
Blyth & Blyth

Project Value:
£3.1 M

Duration & Year
44 weeks - 2013

Key Aspects:
Asbestos Removal
High Reach
Strip Out
Asset Recovery
Live Services
Nearby Residents

THOMPSONS
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- Bulk Bond – 5 storey steel portal frame – 3500m²
- Planning Block – part single, part 2 storey concrete frame – 1050m²
- Luxury packaging – single storey steel portal frame – 1050m²
- Shed 3 – single storey concrete frame, 10m. high – 9200m²
- Reception Hall – single storey concrete frame – 1010m²
- Bond 2 – part single, part 2 storey steel and concrete frames – 15,800m²
- Boiler house – single storey steel frame – 450m²
- Staff shop – single storey concrete frame – 690m²
- Receipts and Bulk Blend – single storey steel portal frame – 4400m²
- New Marshalling area – single storey steel frame – 600m²

Each of the buildings contained asbestos contamination, however, the asbestos removal works to the concrete barrel roofs of Bond 1 and 2 were the most challenging aspect of the contract. Various techniques were trialled to remove the vermiculite coating containing tremolite, amosite, crocidolite and chrysotile asbestos. Each barrel roof void was 7.1m high had to be sealed to form its own enclosure. In Bond 1 the asbestos operatives had to work from a 40ft electric scissor lift to break off the vermiculite coating using kango hand held chisels and air-less spray system after the application of asbestos fibre suppressant solution. There were 5 separate enclosures. We also trialled the use of quill falcon wet media blasting technique to remove the vermiculite coating. In Bond 2 access to the barrel roofs was from a specially installed bird cage scaffold and the formation of 3 separate enclosures. The amosite and chrysotile asbestos sprayed coating was suppressed using BS8520 wet strip injection system, then scrapped off using hand held scrapers. Most of the buildings were externally clad with cavity wall brickwork, with internal concrete beams and columns. All steel was processed and recycled. All concrete and brick was crushed and recycled onsite to produce some 75,000 tonnes of recycled aggregates, the majority of which were removed offsite.

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