

CASE STUDY

Leicester Tunnel Dryer

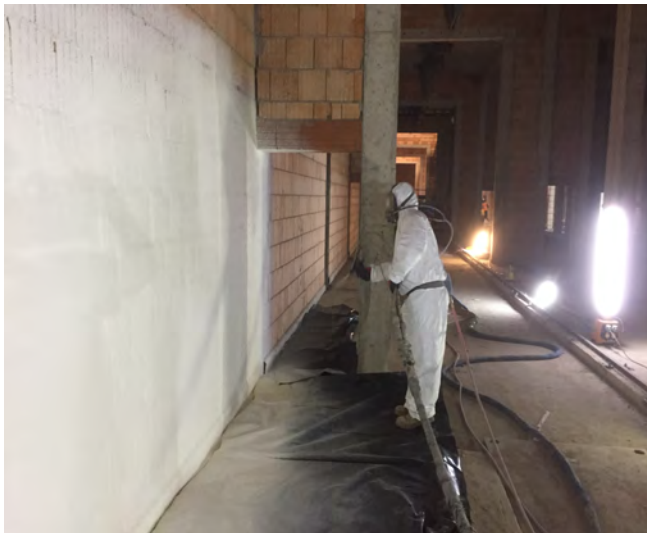


Figure 1 Second coat of BASF Elastospray being applied

Project description

Ibstock Brick, a world renowned brick manufacturer based in Leicestershire, have plans to triple its brick production at its Ibstock manufacturing plant. As part of the new manufacturing facility a state of the art brick Dryer Tunnel is being constructed by our customer, Keller HCW.

The tunnel has been constructed from hollow clay blocks, it measures 7m high by 140m long and is split into 3 channels in which the brick carts will travel.

Challenges

Whilst the tunnel inner walls were to be insulated with a non combustible Rockwool insulation the concern was that it would allow moisture to pass through and this could condense on the inside face of the clay block walls. Another requirement was to keep all the heat inside and not allow its escape through any small gaps in the masonry.

The solution

The designers specified a 40mm coat of BASF Elastospray 1629/1 with a 300micrin coating of Webber Prim, liquid vapour barrier. Both coating were applied by ourselves over a 6 week period to meet the customers build schedule.

Project data

The Project: Ibstock Brickworks, Leicester, UK

Main Contractor: Keller HCW gmbh

Sprayfoam Contractor: Spray foam Solutions Ltd

Scope of Project: To spray insulate the inside face of the tunnel dryer walls with a 40mm layer of foam and vapour barrier.

Area: 1700m²

Year Completed: Summer 2017

Product Used: BASF Elastospray 1629/1 and Webber Prim

Client Quote

Spray Foam Solutions provided a very efficient service to match our rapid construction programme. The installation went particularly well and we are very pleased with the works. We have successfully used BASF Elastospray on other projects throughout Europe.

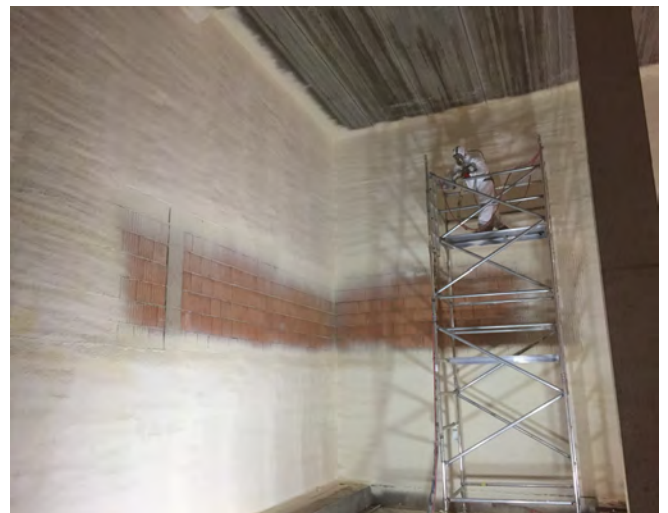


Figure 2 Spraying the higher levels

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