

JAJ/13.10.06/vs2

PARKS 1/2

BALFOUR BEATTY SPECIFY SPRAYED POLYURETHANE FOAM TO INSULATE CONCRETE SOFFIT UNDERGROUND CAR PARKS

Providing effective, fire proof insulation to concrete soffit ceilings has become more of a challenge with today's higher insulation requirements. Building Regulations require the underside of car park ceilings to be insulated to the same standard as ground floors.

Spray applied polyurethane foam is now superseding some spray-on mineral fibre systems for this purpose. It is able to meet the thermal insulation requirements within Building Regulations with 80mm of material, whereas mineral fibre would have to be applied to a less practical depth of perhaps 150mm to meet the same required insulation value. Spray applied foam inherently has a high resistance to vapour transfer and eliminates unwanted air leakage.

A contract to insulate an underground car park was carried out recently at the Kingsland Shopping Centre, Dalston Lane, London. Some 1,745 square metres of Pirthane '0' polyurethane foam from Isothane Ltd was applied by Kershaw Contracting Services Ltd to the car park, which has shops and offices above. In addition to its unsurpassed thermal performance this material was specified because of its excellent fire resistant properties. It complies with the British Standard Fire Ratings BS 476 to Class '0'.

Easily and quickly installed, spray applied polyurethane adheres permanently to all substrates with a completely seamless finish. It consists of a low thermal conductivity insulating foam coated with a one component, water-based intumescent paint. Condensation risk is eliminated and thermal insulation improved. Penetrations for services are easily sealed during application and if further openings are made, the repairs can be robustly sealed without difficulty.

Both the system supplier and the contractor are members of the British Urethane Foam Contractors Association, the recognised trade association for the industry. Members of the British Urethane Foam Contractors Association agree to abide by the Association's Code of Professional Practice. To find a local BUFCA member contact the Association at P O Box 12, Haslemere, Surrey GU27 3AH; on tel: 01428 654011; fax: 01428 651401; e-mail: info@bufca.co.uk; web: www.bufca.co.uk.

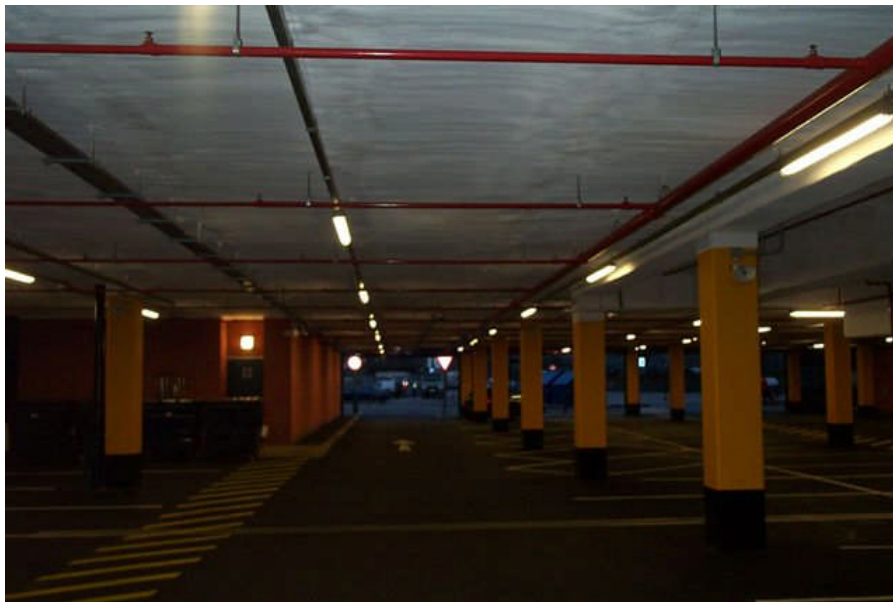


Further information from Leonie Onslow-Dewey on: 01428 654011

CAR PARK IMAGES



Picture shows:
Polyurethane foam
on ceiling close-up



Pictures show:
(Centre and below):

Car park following
sprayed
polyurethane foam
installation

