



International Green Roof Congress
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Installation and Maintenance of Green Roofs – Field Experiences in Germany

Jürgen Quindeau

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(Germany)

www.gruenunddach.de

Short description of the speaker

Technical Engineer Jürgen Quindeau is specialized on green roofs and waterproofings. The scope of services includes consultation, planning, installation and maintenance of green roofs.

Biographical details or background information

Green roof renovation of a nursery school

The Catholic nursery school run by the parish of St. Gereon in Monheim am Rhein opened in 1978. The warm roof structure above a reinforced concrete ceiling comprised a vapour barrier, an 8 mm layer of thermal insulation made of extruded polystyrene and bitumen waterproofing of the roof. Above this, there was a bed of gravel about 5 cm deep as a so-called protective layer. 21 years later, in 1999, the roof was showing signs of wear, with the first faults and wet areas in the thermal insulation being found. For economic and ecological reasons, the parish finally decided in favour of green renovation – in other words roof renovation with a protective layer made up of an extensive green roof – because this solution offers lots of proven and tangible advantages for all those involved.

Green roof on the Ronald McDonald House in Essen

After many projects involving extensive and intensive green roofs, turning Friedensreich Hundertwasser's dreams of roof greenery into reality was a special challenge for the author. The Ronald McDonald House in Essen provides temporary accommodation for families whose critically ill children are being treated in the neighbouring University Clinic in Essen. 17 apartments, cosy common rooms, a large kitchen, playrooms and hobby rooms as well as a green oasis in the atrium courtyard and on green roof areas help the families to rest and distance themselves a little from the strain of visiting the clinic every day. They can regain their strength and give their young patients what medicine cannot: love, strength and confidence.