

MAKERS

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TECHNICAL BULLETIN No 4

PROJECT

Works to digesters on Sewage Treatment Works

STRUCTURE

Insitu concrete cylindrical tank with insitu concrete domed roof

CLIENT

Water Authorities

CONTRACT DETAILS

These concrete vessels, used to hold sludge as it biologically degrades need long term protection from the aggressive products of the 'fermentation' process.

Works involved concrete repair, both internal and external, flexible sealing of the joint between the domed top and cylindrical sides and then the application of a urathane liner to the whole internal surface, or indeed, just that area which is specifically in contact with the gases, some of which include hydrogen sulphide.

Following a thorough clean and then a light abrasive blast, the concrete is levelled with a cementitious mortar, to give a continuous surface and then a lined using a liquid applied urathane lining product, supplied by Irathane Futura Ltd, which is ideal for this aggressive environment, giving protection to the concrete and extending tank life.



Typical concrete digester tank



Internal flexible joint banding



External joint sealing

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Association Membership



Accreditations

