

TERRAIN

Fabrication Service



Cost Analysis Overview Report

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During the summer of 2015 Terrain approached an independent expert in Mechanical & Electrical services installation to perform a cost analysis of Terrain's FUZE HDPE fabricated drainage stack offering against traditional methods of FUZE HDPE, PVC and cast iron installation. What follows is a summary of the report outcomes that indicate the fabricated stack solution is the best and most cost effective option for installers in the market place. For a more detailed presentation of the findings associated with this report please contact us for details on **01622 795200** or email us at commerciaenquiries@polypipe.com.



Introduction

This report sets out to establish which drainage material represents the most suitable option overall on a typical high rise residential development. The building that has been used for the case study is located in London but the principle applies to all buildings suitable for fabricated stacks.

This particular development consists of 360 apartments located over 40 storeys sitting above basements and ground floors where there are some landlord area facilities. At the time this report was undertaken this development was a live project having commenced drainage stack installation early in 2015.

Report Method

The four methods of soil stack installation considered are:

- FUZE HDPE loose fitted
- Solvent weld PVC loose fitted
- Cast iron loose fitted
- FUZE HDPE fabricated stacks fitted

The comparison is like for like in that the methods of installation are as per manufacturers recommendations and all pipe sizes are within the nominal DIN range specified in the construction drawings.

The report is an in-depth investigation into the installation methods described and includes analysis of materials, labour, supervision, logistics, testing and other installation considerations.

Summary of Findings

We can prove using the report that FUZE HDPE fabricated drainage is the most cost-effective method of installation versus traditional methods:



About the Author

Mr John O'Reilly has been in the construction industry for 46 years, working himself up to become a Senior Director of a well-known Building Services company, specialising particularly in the London residential market. During his time with this company he held responsibility for numerous departments including Estimating, Sales, Design, Commercial, Purchasing and Document Control. When John left this company its turnover had reached £70M.

John has hands on experience of fitting all the various products and methods within the report and is therefore uniquely qualified to undertake this exercise on a balanced and impartial basis.

Terrain has created a technical presentation that explains this report in detail and contains further recommendations. To receive this presentation on the findings of the report please contact Polypipe Terrain on **01622 795200** or email commerciaenquiries@polypipe.com

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