

GeoShield Verification Report

VERIFICATION ITEM ONE



The above photograph displays a mechanical point stress test, also known as a pick and probe test, being conducted upon a welded lap joint of the RTEC 4 Gas Membrane. All lap joints were subjected to thorough pick and probe testing throughout the installation where no faults or defects were identified. Tested and verified in accordance with CIRIA 735.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Plots 1, 2, 3, 4, 5, 6, 7, 8 & 9 - Full Line Out

Sealed Details - Pipe Penetrations



NOTES:

Throughout the complete line out installation of the RTEC 4 Gas Membrane to the referenced plots, a number of pipe penetrations have been sealed using RTEC GRSAM, which is a gas resistant self adhesive membrane. The installers have first cut the RTEC 4 Gas Membrane tight around the base of each pipe to



NOTES:

minimise gaps. Next, patches of RTEC GRSAM are placed intricately in a top hat formation around the pipe and onto the RTEC 4 Gas Membrane. Heat and rolled pressure is applied to ensure the RTEC GRSAM has fully bonded to the RTEC 4 Gas Membrane. Mechanical point stress testing identified no faults or defects.



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VERIFICATION ITEM TWO

LOCATION/GRID LINE: Plots 1, 2, 3, 4, 5, 6, 7, 8 & 9 - Full Line Out

Sealed Details - Corners & Thresholds



NOTES:

A number of corners and thresholds throughout the referenced plots have also been sealed correctly using RTPC GRSAM. Where the RTPC 4 Gas Membrane has been cut to minimise voided areas and gaps across the footprint of the plot, each corner and threshold junction has been reinforced by heating

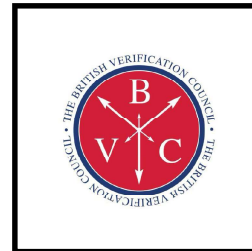


NOTES:

strips of RTPC GRSAM and placed into position around each corner and threshold, onto the RTPC 4 Gas Membrane. Firm rolled pressure is applied with a silicone roller to aid in the adhesion ensuring the RTPC GRSAM has fully bonded. Mechanical point stress testing identified no faults or defects.



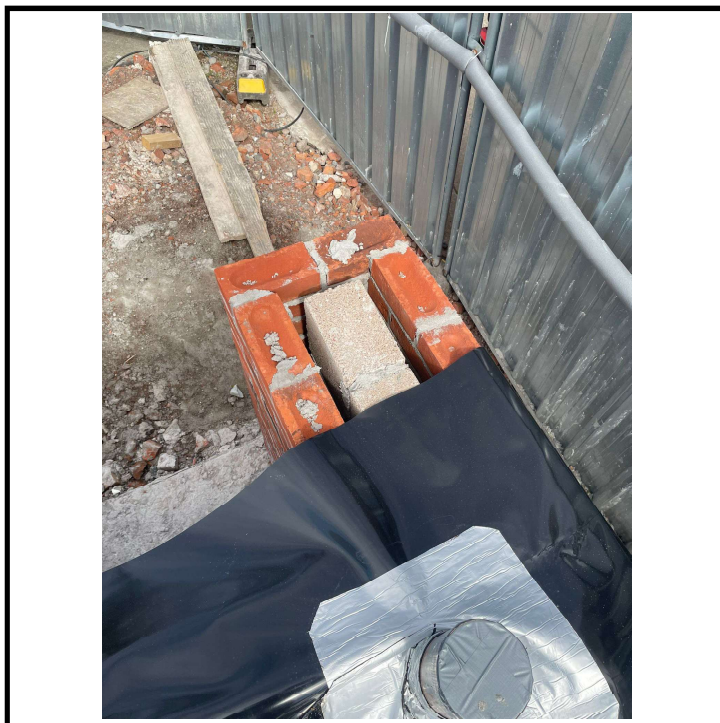
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VERIFICATION ITEM THREE

LOCATION/GRID LINE: Plots 1, 2, 3, 4, 5, 6, 7, 8 & 9 - Full Line Out

Fault Identified & Remediated



NOTES:

During the visit today one small area around the perimeter cavity wall was identified where the RTEC 4 Gas Membrane had not been installed over the cavity wall, as shown in the first photograph above. This was brought to the attention of the installers and remediated on site in the presence of GeoShield.



NOTES:

The installers installed an additional section of the RTEC 4 Gas Membrane to extend over the cavity wall and sealed the lap to the existing RTEC 4 Gas Membrane using strips of RTEC GRSAM, heat and rolled pressure applied to aid in the adherence.



Sealed pipe penetrations.



An overview of the installation.



The RTEC 4 Gas Membrane taken over the perimeter block work.



A sealed threshold.