

# Project Profile

**Site Name: Rishton Methodist School**

Roofing System: Marley Mach One Overlay with insulation



## The Problem

Rishton Methodist School contacted Marley Waterproofing to produce a survey report on their existing felt roof. The survey revealed that the existing three layer felt system was dry but currently only had 20mm insulation. The school wanted to increase their u value and overlay the roof with a Marley waterproofing Mach one plus system. As a Marley Waterproofing plus Contractor, **Weatherproofing Advisors** were successfully awarded the work for Lancashire County Council.

## The Solution

**Weatherproofing Advisors** cut out any areas of defective / wet insulation and replaced it with new. The existing felt cap sheet was then repaired so that it could be used as the new vapour barrier. To comply with current building regulations an additional 80mm of insulation was then fully bonded in PU adhesive to the vapour barrier. The new Marley Waterproofing Mach One plus System was then fully bonded in PU adhesive and all laps hot air welded.

## The Benefits

The award winning single layer robust roofing system is unique in the marketplace and has bridged the gap between traditional built up felt systems and PVC based fast track single ply membranes. Benefits of this system include:

- No requirement for bitumen boilers
- Reduction in level of fumes and Co2 emissions
- Cold bonded in high performance PU adhesive
- Partial PU bond provides an inbuilt venting layer when used in an overlay situation
- Side and end laps can be hot air welded or torch bonded
- 16% SBS rubber content and robust polyester carrier makes the system ideal for roofs which are trafficked regularly
- Classic mineral finish provides a slip inhibiting surface
- Long term 20 year Vantage Guarantee covering design, materials and installation

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