SIKA AT WORK
ABERDEEN RAILWAY STATION, SCOTLAND

ROOFING: Sika Liquid Plastics Sikalastic®-825, -625, Metal Primer, S-Vap 5000 SA, and Sika® Primer 600

Liquid Plastics

BEFORE

DURING

Sikalastic®-625 ARRIVES FOR REPAIRS AT ABERDEEN RAILWAY STATION

BACKGROUND

Aberdeen Railway Station is the UK's busiest station north of Edinburgh and Glasgow and is listed is listed as 'Category A' by Historic Environment Scotland.

The station building has a glazed canopy roof, which needed a full upgrade. This included replacement of the glazed roof area and waterproofing of the gutters around the perimeter of the canopy and of the plinth that connects the gutters to the glazed roof, forming the base for all maintenance walkways.

The project had to be carried out without interruption to rail services or disruption to passengers, while adhering to strict health and safety requirements.

REQUIREMENT

The choice of a cold-applied liquid system aimed to ensure the performance and longevity of the new roofing system, while enabling easier detailing of the interfaces with the glazed canopy.

The complexity of the station roof also involved encapsulation of upstands, penetrations and plinths. The Sikalastic®-625 system not only provided the versatility needed for covering these areas and dressing the new roof covering to the shape of the gutters, but was also viscous enough for application on vertical surfaces.

SIKA LIQUID PLASTICS SOLUTION

Following a site survey by Sika's Roof Refurbishment team to advise on the technical specification, Everlast (Rail) Limited carried out the roof refurbishment. Extensive planning and co-ordination were required to enable the liquid waterproofing and re-glazing elements of the refurbishment to take place simultaneously.

The glazing occurred overnight, outside of rail service hours, and the Everlast (Rail) Limited team co-ordinated with the glazing contractor and the principal contractor, Story Contracting, each morning and evening to plan activity and ensure no glazing operatives disturbed freshly waterproofed areas.

The existing felt waterproofing membrane was stripped out from the gutters and the metal surface was prepared, prior to application of Sikalastic® Metal Primer, followed by application of the Sikalastic®-625 system.

The existing felt covering was also stripped out from the plinth areas on a phased basis and Sika's S-Vap 5000 SA self-adhesive air and vapour control layer was installed onto the substrate followed by Sika® Primer 600. The Sikalastic®-625 cold-applied liquid waterproofing membrane was then also applied to each area.

Jason Cross from Everlast (Rail) Limited comments: "It was a challenging project requiring meticulous co-ordination but use of the versatile Sikalastic®-625 liquid system enabled us to work with the unique design of the heritage building to deliver a robust and neat waterproofing solution."

CLICK HERE to watch the full transformation video

PROJECT PARTICIPANTS

Contractor:	**Everlast (Rail) Ltd**
Roofing Client:	**Network Rail**
Size:	**4000m²**

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