

CASE STUDY

UNION SQUARE, ABERDEEN

New retail development



In the heart of Scotland's fastest growing city, is a new, modern, retail led, mixed use scheme. Union Square is a mall with a retail park offering traffic-free, cosmopolitan shopping and dining with an entertainment environment. The development is integrated with Aberdeen's transport hub including train and bus stations used by over 2.5 million passengers a year.

As part of the new build project, installing roofing contractors, BriggsAmasco, understood the brief perfectly from the architect, and contacted PermaTEC Engineered Roofing Systems to help refine the specification. Through close liaison between BriggsAmasco and PermaTEC's dedicated technical team, a fully bonded PermaTEC Hot Melt Monolithic system was chosen for its waterproofing and environmental credentials. PermaTEC Ecowrap has been installed on similar projects in Scotland by BriggsAmasco.

PermaTEC Ecowrap is a specially formulated combination of refined bitumen, synthetic rubbers, fillers and other additives which improve flexibility and fatigue endurance. PermaTEC Ecowrap is hot-applied in conjunction with carefully selected reinforcement, detailing and protection layers, and is ideal for inverted or paved roofing areas. BBA Certified, PermaTEC boasts a self-sealing capability and rapid setting characteristics, which will last the life of the building.

PermaTEC is a monolithic system, which is fully bonded to the structural deck. In the unlikely event of the membrane becoming pierced, water would be unable to track beneath, minimizing the potential for interior water damage.

PermaTEC Ecowrap is the first hot melt system to be manufactured

Project Sector:	Commercial, Shopping Centre
System:	PermaTEC Hot Melt System
Products Used:	PermaTEC Ecowrap Compound IKOpro Fast Dry Primer PermaFLASH-R PermaGUARD-F PermaFLASH-D IKO Anti Root Barrier IKOgreen 5+1 Reservoir Board Permapark Paving Asphalt
Contractor:	BriggsAmasco
Started:	October 2008
Completed:	April 2009
Size:	1500m ²
Contact:	Les Turnell

with 'zero wrapper waste' in the UK. The compound is encapsulated in a thin film which blends into the material when heated. No outer packaging is required which means 98.5% less waste than equivalent cardboard-packaged products. The compound is also formulated to be applied at a much lower temperature, ensuring less energy consumption.

A Plasfeed 5+1 drainage / retention board was applied to provide a base for the extensive growing medium, and IKO pre-grown sedum blanket provided the top covering.

Furthermore, 6500m² of Permapark Paving Asphalt was installed in the car park areas.

