

CASE STUDY



BECKETWELL DEVELOPMENT

LOCATION: DERBY

MAIN CONTRACTOR: GMI CONSTRUCTION GROUP PLC

ROOFING CONTRACTOR: NRA ROOFING

COMPLETION DATE: 2023

SYSTEM: PARO-MELT® HOT MELT SYSTEM

SECTOR: MIXED-USE, NEW BUILD

ROOF AREA: 2,100M²





BECKETWELL DEVELOPMENT

BACKGROUND:

Derby City Council is undertaking an extensive plan to regenerate the Becketwell area of Derby. This six-acre abandoned site, accounting for 5% of the city centre, is undergoing a transformation into a diverse mixed-use project, serving as a substantial effort to create a vibrant and inviting space. This 259-unit, 11-store development became Derby's first purpose-built 'Built to Rent (BTR)' scheme in the City and the first phase of the larger regeneration programme in the City centre.

CHALLENGES:

One of the major challenges faced on the project was the need to provide both the tenants and the operators of the building with a variety of functional roof spaces. With the need for both social and industrial functions having to be considered, the project required the delivery of a variety of roof types that could accommodate outdoor terraces, plant and equipment and areas where excessive industrial loads were housed.

SOLUTION:

This project allowed us to demonstrate our capabilities and flexibility as system providers. We were able to utilise a range of Waterproofing solutions that met the various requirements on this roof. Our second-generation Hot-Melt system provided a robust and reliable inverted roof solution that was designed to accommodate increased loadings and last the lifetime of the building. Other roof areas required modified bitumen membrane and Single Ply PVC membrane in conjunction with Tapered Insulation allowing low door thresholds to be addressed whilst still providing drainage and meeting stringent thermal requirements.

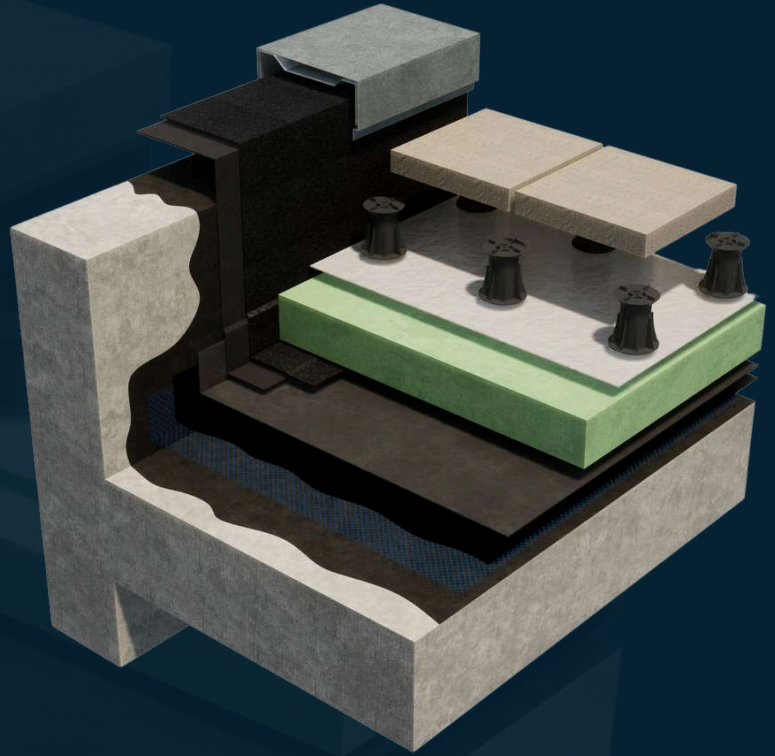
"Ourselves at NRA roofing worked alongside MOY on the Becketwell lane project in the centre of derby. With this having different roofing build ups and the scale of the job, it brought challenges along the way. Which MOY worked alongside us to overcome. With fast deliveries and support when needed MOY and NRAs collaboration pushed this project to completion."

**Paul Depodova, Contracts Manager
NRA Roofing**

SYSTEM USED

MOY WARRANTY: 25 YEARS

- **Primer:** Paro-Melt Hot Melt Primer
- **Insulation:** XPS Insulation
- **Waterproofing System:** Paro-Melt® Hot Melt System



BENEFITS:

- Second generation hot melt system with fewer installation processes, compared to other Hot Melt systems, resulting in quicker application and easier detailing.
- Robust and extremely long-lasting, impact resistant, ideal for buried heavily trafficked applications such as inverted roofs, podium slabs and terraced applications.
- Available with extended system warranties covering elements such as design guidance, material performance and workmanship
- British Board of Agrément (BBA) certified, Irish Agrément (NSAI) certified, Durability in excess of 40 years
- BROOF (t4) Fire Certification Classed 'Unrestricted – Deemed to Satisfy' when buried with appropriate finishes.

