

## APL Case Study

Project: **Nathan Way Business Park, Woolwich**

Year: **2020**

Client: Royal Borough of Greenwich Council

Architect: Frankham Consultancy Group

### Assembly & Performance:

- All constructions including APL Tritherm™ structural framing system and all as **non-combustible** assemblies
- Roof – 10,000 m<sup>2</sup> of APL Energi Twin-Skin: Profile 31/1000RR in stucco-embossed mill-finish aluminium on walk-on roof liner plus all associated flashings, gutters, fixings and sealants, U-value = 0.18 W/m<sup>2</sup>.K
- Walls - 10,000 m<sup>2</sup> of APL Energi Twin-Skin: Profile AP45HR in RAL 9006 PVF2 aluminium on wall liner plus all associated flashings, fixings & sealants, U-value = 0.16 W/m<sup>2</sup>.K

### Special Features:

- Client required a 40-year maintenance free material for the roof in the marine location
- Multiple consultants employed by the end client to ensure the construction exceed current building regulation due to the proximity to Grenfell
- APL clamp-end lap detail for the roof to allow for thermal expansion
- APL Firewall™ with 60 minute integrity and 60 minute insulation™ construction due to boundary walls

### Building Location:

- London Borough of Greenwich

