

Brainkind Neurological Care Centre, Stagenhoe Park, St Pauls Walden, Hertfordshire, SG4

8BY - Application ref 25/01385/LBC

Justification

Doors

As mentioned in the application, we are upgrading the fire doors throughout the building, the reasoning for this is to improve the fire compartmentalisation throughout the building. Since some doors are historic, we have had to take a different approach to the upgrade. For doors that can be repaired or upgraded, we will be adding two Envirograf products (Product 38 and Product 42) to meet the client's minimum resistance period of either 30 minutes or 60 minutes.

However, due to the age and condition of some doors, they are beyond repair and will need to be replaced entirely. As part of this project, 30 doors will be replaced; of these, 3 can be considered heritage doors. Please find the pictures below of the heritage doors being replaced. All doors can also be found in the door schedule attached to the original application.

Kitchen Store (8)



This door is warped and does not fit within the frame. Because of this, it is beyond repair and will need to be replaced to ensure fire resistance.

Bedroom 82



The door is beyond repair due to damage at the bottom and a split on the side. As a result, the fire integrity of the door has been compromised, making it uneconomical to repair.

Store Cupboard 94



Door currently isn't a fire door due to this being a store cupboard we would need to replace it. For this door compared with the others we could use the 2 Envirograf products mentioned above

Item of Works - All items can be found on drawings A301, A302, A303 and A304 these are annotated with a RED letter

Please see Schedule of Works for full details of works

Item A (7.01)

No works that effect the historic fabric

Item B (7.02)

No works that effect the historic fabric

Item C (7.03)

Yes works to historic fabric. The original cupboard are not fire resistance and could allow a potential fire to spread upwards.



Frame out the soffit with timber battens, minimum 50mm x 50mm sections. Board frame with 15mm fireline plasterboard and seal gaps around the perimeter with Envirograf Intumescent Acrylic and Acoustic Mastic, Product 58. Apply mist coat and 2Nr coats of vinyl silk emulsion to new areas.

Item D (7.04)

Same as above item.



Item E (7.05)

No works that effect the historic fabric

Item F (7.06)

No works that effect the historic fabric

Item G (7.07)

No works that effect the historic fabric

Item H

Yes works to historic fabric, holes within the original ceiling, these holes enable fire to breach the compartment



To approximately 10Nr areas of small damaged section so of plaster forming the original ceiling finish; square off cracks/holes assuming a maximising size of 200mm x 200mm. Overboard laths with fireline plasterboard securing fixed with mechanical fixings. Seal joints with Envirograf Buildfix Multi-Purpose Flexible Building Adhesive, Product 48.

Item I (7.09)

No works that effect the historic fabric

Item J (7.10)

No works that effect the historic fabric

Item K (7.11)

Yes works to historic fabric, holes within the original ceiling, these holes enable fire to breach the compartment



Overboard laths and any structural beams with 15mm fireline plasterboard mechanically fixed to joists. Board joints, screwheads and abutments with walls to be sealed with intumescent filler and mastic sealant.

Item L (7.12)

No works that effect the historic fabric

Item M (7.13)

No works that effect the historic fabric

Item N (7.14)

No works that effect the historic fabric

Item O (7.15)

No works that effect the historic fabric

Item P (7.16)

No works that effect the historic fabric

Item Q (7.17)

No works that effect the historic fabric

Item R (7.18)

No works that effect the historic fabric

Item S (7.19)

No works that effect the historic fabric

Item T (7.20)

No works that effect the historic fabric

Item U (7.21)

No works that effect the historic fabric

Item V (7.22)

No works that effect the historic fabric

Item W (7.23)

No works that effect the historic fabric

Item X (7.24)

Yes works to historic fabric. Existing Staircase is to be coated:

To all timber stair parts, the timber is to be prepared and coated to provide 60 minute fire protection. Undertake all works as per manufacturers guidelines. Also refer to glazing replacement included in Section 9.

1 coat of Envirograf hwap primer at 12sqm per litre per coat

3 coats of Envirograf hw02 clear intumescent coating at 8sqm per litre per coat

1 coat of Envirograf hw Excel clear (matt satin) at 10sqm per litre per coat