

Existing Cladding

- The old cladding is weather-worn and life-expired and thus in need of replacement
- It has limited insulation properties and is not weather-tight
- The old cladding dresses part of the circa 1950s extension



Proposed Cladding

- All existing cladding will be removed and replaced with new composite cladding including appropriate insulation
- The cladding is coated in a plastic polymer shell which shields the organic matter from water damage and erosion
- It comes with a woodgrain effect so will fit within the surroundings and is made from eco-friendly materials therefore will last a long time
- It is proposed as a charcoal finish and has a class D fire rating standard (EN 13501-1)
- Dimensions: 174mm by 21mm in 3.6m lengths

Characteristics	Method	Result
Density	ASTM D792-13, Method A	1.27g/cm3
Flexural Strength	ASTM D7032-17	26.9 Mpa
Flexural Stiffness	ASTM D7032-17	3813 Mpa
Impact Resistance	ASTM D4812-19	66 J/m
Durometer Hardness	ASTM D2240-15ε1	67.8 Shore D
Tensile Strength	ISO 527-2:2012	23.0 Mpa
Water Absorption	ASTM D570-98:R2018	0.13%
Linear Thermal Expansion	EN 15534-1:2014+A1:2017	37.8x10-6 K-1
Reaction to Fire	EN 13501-1	D-s1 d0

