



*Photo 1*

Extreme blistering and poor lap joint adhesion at existing roof level.



*Photo 2*

One of many lap joints delaminating, contributing to several weak points allowing water ingress.



*Photo 3*

Here my pen highlights the scale of the defects.



*Photo 4*

Delamination on lap joints toward the roofs perimeter.



*Photo 5*

Outlet area, Water is holding underneath the waterproofing causing vegetation growth.



*Photo 6*

A large attempted patch work repair using low grade felt and standing water to the perimeter.



*Photo 7*

A large hole in the waterproofing with vegetation growth.



*Photo 8*

Standing water and silt deposits gathering.



*Photo 9*

Blistering and standing water towards the parapet.





*Photo 10*

Delamination and lap slippage to field area of the roof.



*Photo 11*

Blistering, lap slippage, and delamination.



*Photo 12*

defective waterproofing, missing foil protection and extreme blistering.



*Photo 13*

Missing foil UV protection.



*Photo 14*

Crown of the roof begin to delaminate.



*Photo 15*

A further large attempted patch work repair using low grade felt.



*Photo 16*

Open laps at the parapet.



*Photo 17*

Further standing water and void at the lap.



*Photo 18*

Delamination and lap slippage at the parapet.





*Photo 19*

Single skin rooflight. Id say these are well in excess of 30 years old.



*Photo 20*

Foil face peeling.



*Photo 21*

A further outlet location.



*Photo 22*

Patch work repair, missing foil face protection.



*Photo 23*

Standing water above defective area.



*Photo 24*

lap slippage





*Photo 25*



*Photo 26*

Poor detailing to soil pipe penetration.



*Photo 27*

A further image of soil pipe detailing.



*Photo 28*

Delamination of waterproofing to top face of parapet. This is evident in several areas.



*Photo 29*

Junction between parapet upstand and field area lap joint with defects.



*Photo 30*

Overview of roof area.



*Photo 31*

A further overview of roof area.



*Photo 32*

Overview of roof area.



*Photo 33*

Core sample one location. This is close to the crown of the roof area.





*Photo 34*



*Photo 35*

Core sample location 2. Water below insulation and insulation is saturated.



*Photo 36*

Saturated insulation.



*Photo 37*



*Photo 38*



*Photo 39*



*Photo 40*

Core 3. Note where my finger is applying pressure, water exits.

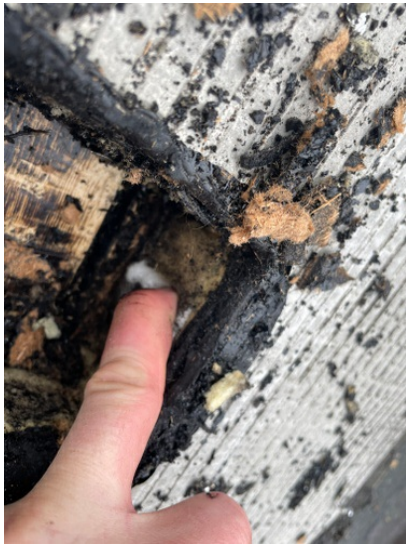


*Photo 41*

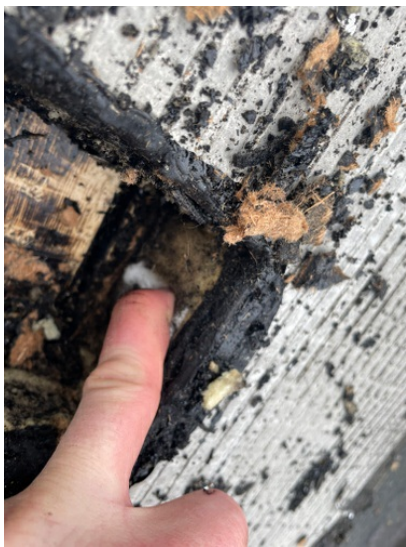


*Photo 42*





*Photo 43*



*Photo 44*



*Photo 45*

Timber blank below BUR seems in good order at core location.



*Photo 46*

Tape highlighting 50mm insulation level.



*Photo 47*

A further image of timber planking deck.



*Photo 48*

Timber plank dimension is 140mm.