



# BUILDINGS REFERENCES

Manufacturer:

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[www.nestaan.be](http://www.nestaan.be)

Limpet TM is a  
trademark of  
Thermica Ltd



**PERIOD** : 2020**PRODUCT** : SLV INT (Internal)**CONTRACTOR** : Ets Louis De Waele**FIELD OF EXPERTISE** : PFP on steel in office buildings**ABOUT THIS PROJECT****Assignment**

Upgrade of the Passive Fire Protection (PFP) to  $R_f=2$  hours of soffits in steeldeck, placed as lost casing under concrete, requiring a site-engineered glued-and-anchored meshing system.

**Challenge**

The Vlerick Business School, located on the 4th and 5th floor of this building, contains an extension with a mini atrium. Despite this complication we reached a 100% success score. The execution timing had to be brought forward by 6 weeks, at a special demand of the contractor. With our application contractor, we succeeded to deliver top quality in quick tempo.

**PERIOD** : 2020**PRODUCT** : SLV INT (Internal)**CONTRACTOR** : Herpain**FIELD OF EXPERTISE** : PFP on  
concrete @renovation**ABOUT THIS PROJECT****Assignment**

Upgrade the Passive Fire Protection (PFP) of the infrastructure to  $R_f=2$  hours. This renovated building contains a new 4\* hotel with restaurant, meeting rooms and administrative premises and a supermarket at groundlevel.

<https://herpain.be/en/projects/kam-yuen>

**Challenge**

The over 100YO building had a design and use of materials from the end 1800's. Steelsizes were from that era so very uncommon, concrete had complicated aggregate and fillers. A robust PFP design with state of the art primer technology and surface treatment ensures the firesafety of the structure for the next century ahead.



**PERIOD :** 2019



**PRODUCT :** SLV INT (Internal)



**CONTRACTOR :** SEC (Sfeir engineering & Construction)

**FIELD OF EXPERTISE :** PFP



## **ABOUT THIS PROJECT**

### **Assignment**

to ensure a strong PFP-resistance time of more than 2 hours in the cinemas complex of the Burgundy Mall, the first of its type in the area in terms of combined retail, F&B and cinema offerings within a modern well-designed open-air setting.

### **Challenge**

To meet all high requirements of PFP - in perfect conjunction with the high targets of our co-partners in acoustics, isolation and esthetics - of this high tech cinema complex with an advanced architectural level.



**PERIOD** : 2019**PRODUCT** : SLV EXT (External)**CONTRACTOR** : Eiffage**FIELD OF EXPERTISE** : PFP**ABOUT THIS PROJECT****Assignment**

Apply Passive Fire Protection (PFP) to new steel structure at the top floor of a university auditorium with technical installations to Rf=2 hours

**Challenge**

Quite complicated application in very confined space while the complete heating and ventilation units were in place already. Access for equipment and materials only by crane. Despite a very tight application schedule nevertheless a successful application finished in time.



**PERIOD** : 2019



**PRODUCT** : SLV EXT (External)



**CONTRACTOR** : Jacques Delens



**FIELD OF EXPERTISE** : PFP of office buildings in urban renewal projects



## ABOUT THIS PROJECT

### Assignment

Upgrade and new applied Passive Fire Protection (PFP) of the infrastructure to 2 hours of this apartment and office building, immediately adjacent to the back gardens of the Royal Palace.

### Challenge

Partial renovation, partially new extended project in a very sensitive area of the European Capital. Partial steel structure, partial upgrade of concrete soffits. Application in mid-winter, in a very wet and cold environment, which was the reason for using SLV-External only. Overwin the logistical supply problems, as there are no real parkings for trucks. Pressure of water supply was often not powerful enough for the mortar pumps so water supply needed to be engineered on site.



**PERIOD :** 2019



**PRODUCT :** SLV INT (Internal)



**CONTRACTOR :**



**FIELD OF EXPERTISE :** PFP on steel



## **ABOUT THIS PROJECT**

### **Assignment**

Apply Passive Fire Protection (PFP) to a new steel structure to Rf=2 hours of this worldwide famous EJU-campus complex.

### **Challenge**

The steel was covered by a shiny epoxy coating, which complicated a strong adhesion. A very specifically formulated bonding coat based on SLV of 3 to 4 mm solved this problem.



**PERIOD** : 2019



**PRODUCT** : SLV EXT (External)



**CONTRACTOR** : Hinrich &  
Leighton Contractors (Asia) Ltd



**FIELD OF EXPERTISE** : PFP on  
steel



## ABOUT THIS PROJECT

### Assignment

To make this arts complex building completely PFP-proofed for 2 hours.

### Challenge

Meet all severe PFP-safety requirements of this huge new cultural centre that houses a multipurpose hall or auditorium of 1.200 seats and a theatre of 550 seats.



## Queens square project

United Kingdom



**PERIOD :** 2019



**PRODUCT :** SLV INT (Internal)



**CONTRACTOR :** AJ Fire Protection



**FIELD OF EXPERTISE :** PFP in urban renewal projects



### ABOUT THIS PROJECT

#### Assignment

Make this building completely PFP-proofed for 2 hours, respecting all future proofed safety & durable requirements .

#### Challenge

University of Chicago

Hong Kong



**PERIOD** : 2017



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : Hinrich



**FIELD OF EXPERTISE** : PFP



## **ABOUT THIS PROJECT**

### **Assignment**

To make this campus, as hub for research, education and collaboration in Hong Kong, China and Asia, completely PFP-proofed for 2 hours.

### **Challenge**

As this campus is built at Mount Davis, a historically important site built upon a long and rich history of excellence, all high expectations had to be met. It has the ambition to remain worldwide an essential place in connecting people, institutions, business and governments.



**PERIOD** : 2017



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : SBS (System Building Services)



**FIELD OF EXPERTISE** : PFP in urban renewal projects



## **ABOUT THIS PROJECT**

### **Assignment**

PFP-application in a completely renovated building that was converted from a former office tower into an attractive residential high rise building.

### **Challenge**

As the substrate was very irregular, optimal adhesion was hard to get. The soffit consisted of pressed claypots on armed concrete beams . The substrate was primed first with a Limpet Acrylic Primer System, then meshed out with expanded metal lathe, allowing easy spray through and mortar build up to appropriate thickness.

**Bank of America - London**

**United Kingdom**



**PERIOD** : 2017



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : GBS (Gunitite Building Services) Fire Protection Ltd



**FIELD OF EXPERTISE** : PFP of office buildings in urban renewal projects



## **ABOUT THIS PROJECT**

### **Assignment**

Make this building completely PFP-proofed for 2 hours.

### **Challenge**

Respect the tight timing schedule, which we did successfully.





**PERIOD** : 2017



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : GBS (Gunitite Building Services) Fire Protection Ltd



**FIELD OF EXPERTISE** : PFP on steel structures



## ABOUT THIS PROJECT

### Assignment

Renovation and upgrading of an already very old SLV-reference from the Thermica era. The landmark Shopping Mall right in the city center of Hull and adjacent to the trendy Hull Marina area was significantly renovated and needed an upgrade to Rf=2hours.

### Challenge

Apply PFP in a mall open to the public and with surrounding shops open every day. No dust: ok, no fire: ok, no danger: ok, no noise..... well after 16.30 and during weekends...



**PERIOD** : 2017



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : GBS (Gunitite Building Services) Fire Protection Ltd



**FIELD OF EXPERTISE** : PFP in urban renewal projects



## ABOUT THIS PROJECT

### Assignment

Make the renewed shop in a popular shopping street completely PFP-proofed for 2 hours.

### Challenge

Overwin the complicated local logistic supply circumstances of the pallets with SLV mortar bags (pedestrian area, very limited supply time slots by day) and respect the very ambitious short closing time of the shop for this important renovation.



**PERIOD** : 2017



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : GBS (Gunitite Building Services) Fire Protection Ltd



**FIELD OF EXPERTISE** : PFP in urban renewal projects



## **ABOUT THIS PROJECT**

### **Assignment**

Make this building completely PFP-proofed for 2 hours

### **Challenge**

Become one of the “Best practices” of The Shires, a famous area in London that is in full transformation and renewing, with focus – among others – on PFP.





**PERIOD** : 2017



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : GBS (Gunite Building Services) Fire Protection Ltd



**FIELD OF EXPERTISE** : PFP in urban renewal projects



## ABOUT THIS PROJECT

### Assignment

Make this building of residential living units completely PFP-proofed for 2 hours (instead of 1 hour before).

### Challenge

Become one of the “Best practices” of refurbishment in London, with respect for the traditional architecture, but also for all modern energy and safety requirements, like PFP.





**PERIOD** : 2016



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : GBS (Gunit Building Services)  
Fire Protection Ltd



**FIELD OF EXPERTISE** : PFP, in urban  
renewal projects



## ABOUT THIS PROJECT

### Assignment

Upgrade this building in a very high-end residential neighborhood completely PFP-proofed from 1h to  $R_f=2$  hours. In this project mainly on concrete, but also on steel.

### Challenge

Complicated logistics, while the access with pallet supply was not easy at all. After a thorough site-inspection, we observed a troublesome problem of water-ingress. Thanks to our expertise we could work out a site-engineered solution, respecting building standards for both waterproofing and fire protection.

**PERIOD** : 2015**PRODUCT** : SLV INT (Internal)**CONTRACTOR** : RJM Construction Services Ltd**FIELD OF EXPERTISE** : PFP in hotels & resorts**ABOUT THIS PROJECT****Assignment**

Apply a state-of-the-art PFP system to  $R_f=2$  hours in this new hotel project. The giant pool on the rooftop made the hotel very unique in Malta.

**Challenge**

Application took place in June/July, which means in warm and dry weather conditions. As temperatures of 40°C in the sun are a serious risk to affect a good setting of the cement binder, spraying hours were planned at the cooler moments. The steel structure, carrying the heavy swimmingpool above the top floor, was also an interesting challenge to fireproof.



**PERIOD** : 2015



**PRODUCT** : SLV EXT (External)



**CONTRACTOR** : Proco Ltd



**FIELD OF EXPERTISE** : PFP on steel



## ABOUT THIS PROJECT

### Assignment

Make all non-visible parts of the airport completely PFP-proofed for 2 hours.

### Challenge

## Primark Store - Lancaster

United Kingdom



**PERIOD** : 2015



**PRODUCT** : SLV Int (Internal)



**CONTRACTOR** : GBS (Gunite Building Services) Fire Protection Ltd



**FIELD OF EXPERTISE** : PFP in urban renewal projects



### ABOUT THIS PROJECT

#### Assignment

Make this store completely PFP-proofed for 2 hours.

#### Challenge

Respect the tight timing schedule, which we did successfully.



## Artillery Row London

United Kingdom



**PERIOD** : 2014



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : SBS (System Building Services)



**FIELD OF EXPERTISE** : PFP in urban renewal projects



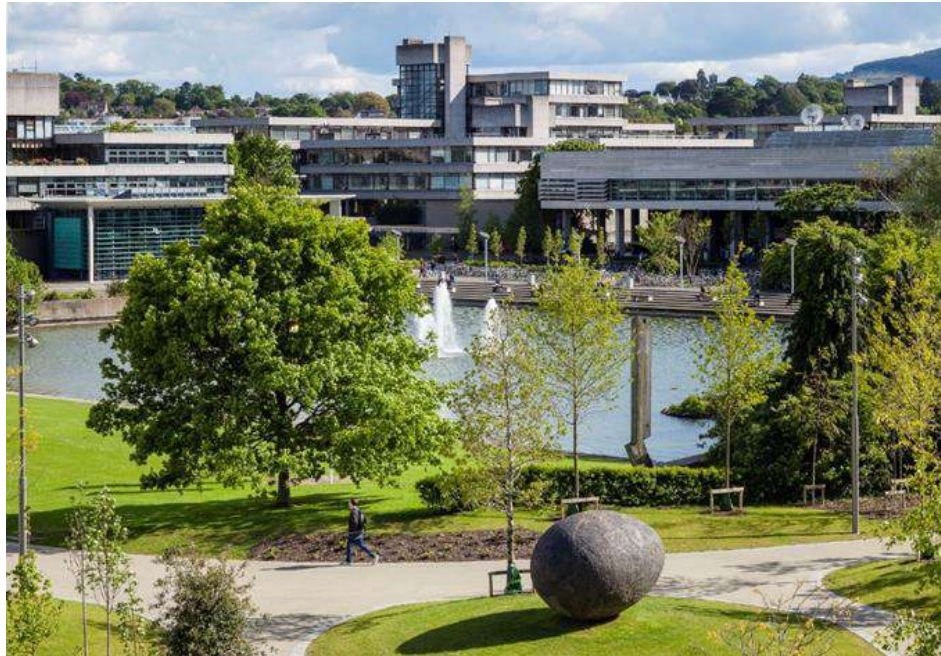
### ABOUT THIS PROJECT

#### Assignment

PFP optimisation of a completely renovated building.

#### Challenge

Respect the tight timing schedule, which we did successfully.



**PERIOD** : 2013



**PRODUCT** : SLV INT & EXT



**CONTRACTOR** : Fire & Flooring Systems



**FIELD OF EXPERTISE** : PFP



## ABOUT THIS PROJECT

### Assignment

Make the renewed campus building of UCD (University College Dublin) completely PFP-proofed for 2 hours.

### Challenge

Respect the tight timing schedule, which we did successfully.



**PERIOD** : 2013



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : Flameguard



**FIELD OF EXPERTISE** : PFP,  
Respect the tight timing



## **ABOUT THIS PROJECT**

### **Assignment**

Make the renewed IKEA-store completely PFP-proofed for 2 hours.

### **Challenge**

We had to realize it in a very short time, because IKEA wanted to reopen the renewed shop asap. The application had to be conform to the strict guidelines of the IKEA Internal Building Prescriptions.





**PERIOD** : 2013



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : MTCC



**FIELD OF EXPERTISE** : PFP on steel



## **ABOUT THIS PROJECT**

### **Assignment**

Make a huge open covering roof, under which the airplanes were stationed during maintenance, completely PFP-proofed for 2 hours.

### **Challenge**

We had the choice of using SLV EXT and SLV INT. At first sight SLV EXT was obvious, but we proofed that at SLV INT would be the best choice in this particular case:

We demonstrated the adhesion of SLV INT on steel was largely sufficient, and the lower weight of SLV INT was a huge advantage for this open covering canopy structure.



**PERIOD :** 2010**PRODUCT :** SLV INT (Internal)**CONTRACTOR :****FIELD OF EXPERTISE :** PFP in  
hotels & resorts**ABOUT THIS PROJECT****Assignment**

Make the structure covering the new three towers hotel that overlooks the bay completely PFP-proofed for 2 hours.

**Challenge**

The hotel offers a taste of the high life with views of Singapore from above. This large wooden decked area is on top of the iconic Marina Bay Sands hotel, at the edge of the city's harbour. Sitting on top of the massive structure, SkyPark offers a 360-degree panorama, with nothing but a sheet of glass and a few wires between you and the dramatic view.

## Grand Tarabya Hotel Bosphorus

Turkey



**PERIOD** : 2010



**PRODUCT** : SLV INT (Internal)



**CONTRACTOR** : Metel



**FIELD OF EXPERTISE** : PFP in  
hotels & resorts



### ABOUT THIS PROJECT

#### Assignment

Make the new giant hotel completely PFP-proofed for 2 hours

#### Challenge