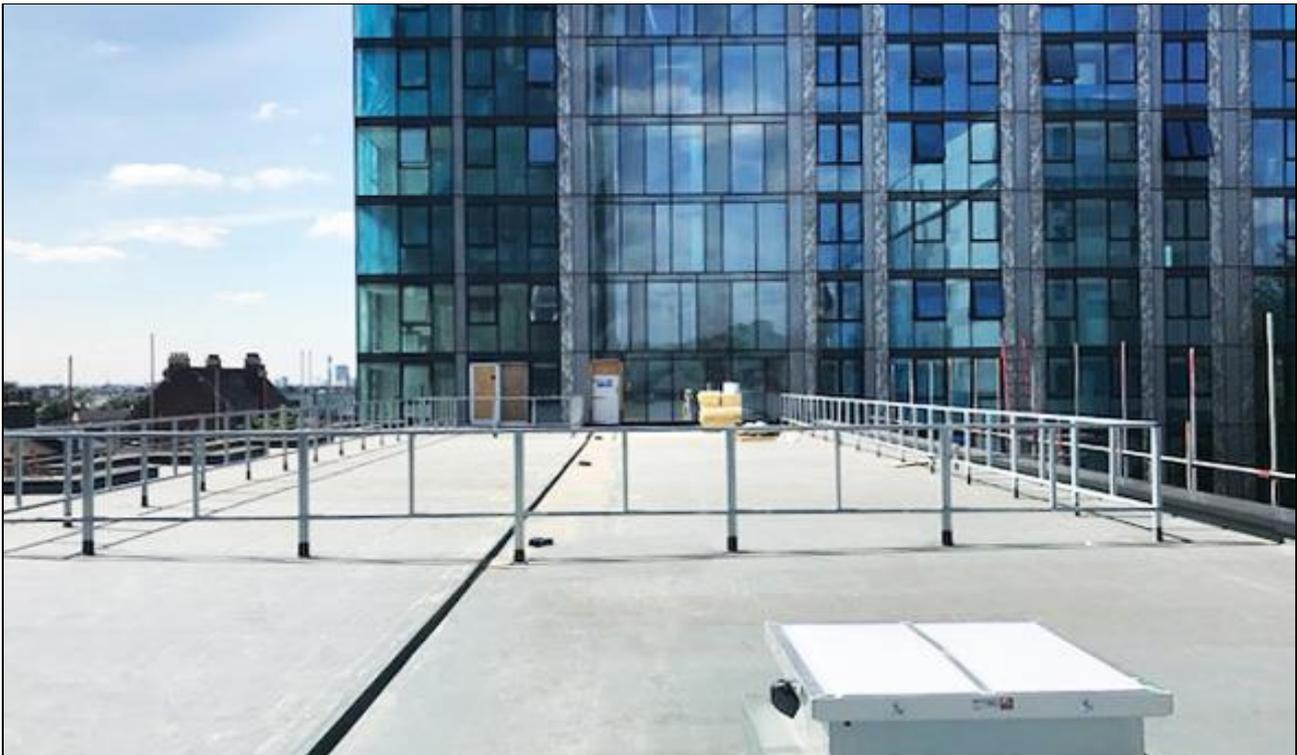


Case Study

Project/customer name:	Hill House
Year of application:	2017
Location/country:	London / UK
Building type:	Residential building
Authorized contractor:	Albany Brent
Additional project details:	Waterproofing for blue roof construction

General view:



Challenge:

- The project specs required a roof that would contribute to an energy efficient scheme, by refurbishing the 500m² flat roof into a blue roof system. This design would allow for attenuation of rain fall, with the ability to treat and release rainwater at a managed and controlled rate directly into the sewers, waterways, river systems or internal building water systems. .
- The existing substrate consists of a structural concrete slab with a hot melt waterproofing membrane, which was not deemed to be suitable for a blue roof system.



Solution:

- Triflex ProTect and Triflex ProDetail were chosen due to their hydrolysis resistance, which means that they will not be degraded by the effects of standing water over time, which is paramount for a blue roof.
- Both products are ideal for overlay applications, and their simple single process application makes them a real-time saver when it comes to installation.
- The contractors used a pebble stone finish to offer additional filtration and protection.

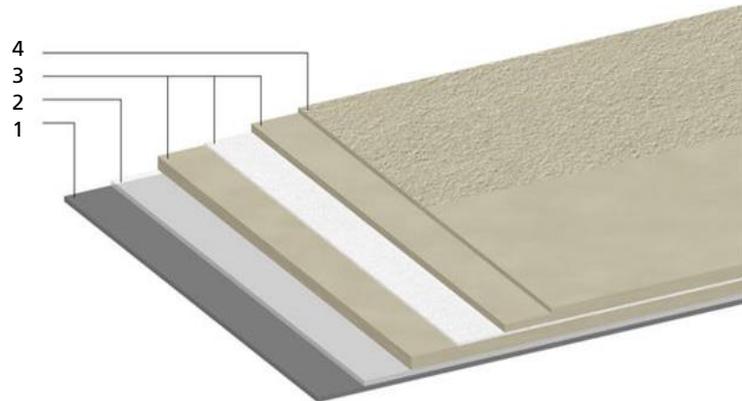


Products used at a glance:

Triflex offers liquid PMMA* based resins (e.g. ProDetail for details or ProTect for areas):

1. Substrate
2. Primer, if necessary
3. Waterproofing layers
 - a) Triflex ProDetail (2kg / sqm)
 - b) Triflex Special Fleece
 - c) Triflex ProDetail (1 kg / sqm)
4. Finish, if wanted

* Polymethyl methacrylate



Continually improved over 40 years in order to become the market leader in Europe.



Main benefits (European Guideline ETAG 005):

- 25 years estimated working life performance
- Fast curing time and rainproof after only 30 minutes
- Application possible till humidity of 99% and withstands surface temperature after application up to 90° C
- A liquid seamless solution that fits to any structure with complex geometry
- Adherence to any surfaces (Aluminum, steel, plastic, glass, bitumen, concrete, ...)
- Solvent free, environmental friendly and with no risk to health
- High resistance to chemicals, roots and rhizome, alkali and hydrolysis
- Cold application with no flame and flame retardant
- Highly UV resistant (1000 MJ/m² = 325 days)
- Easy to impose loads after application (for particular demands as green roofs)