

# TaperedPlus

## Learning&Research

TaperedPlus is a national leader in providing quality flat roof design and building services.

### Why TaperedPlus

**Experienced and expert consultants delivering quality**, whatever your market or project size - domestic, commercial and industrial. We use cutting edge design technology and revolutionary roofing materials to ensure a high quality finish.

**Modernisation** - Processes allow for speed of response

**Independence** - Ability to mix products for best technical and commercial solution

### Why Tapered

When building a flat roof, it is vital that a degree of fall is built into the construction to ensure rainwater run-off. The definition of a flat roof, according to BS 6229, is “having a pitch less than 10o to the horizontal.” However, some in the industry would consider up to 15o as their definition of a flat roof. **A correctly built flat roof will drain rainwater quickly and effectively into gutters without allowing water to pond – a small amount of ponding is still possible but this very much depends on the level of drainage.** Inadequate drainage can result in the following.

Silt deposits and freezing

Slip hazards caused by algae, mould growth and ice

Poor aesthetic appearance

Increase maintenance costs

Odour / hygiene issues

Issues with standing water can include:

- Adding additional weight and stress on the roof structure
- Slip hazards created by resulting Ice and vegetation
- Deposition of dirt and leaves may obstruct the outlets and increase maintenance costs
- Can cause odour and hygiene issues
- Compromise the aesthetic appearance of the roof
- Potentially reduce the lifespan of the waterproofing
- In the event of damage to the waterproofing, water ingress will be increased.

Compared to other methods of creating a fall such as concrete screeds and timber firings

-Holistically more cost-effective

**-A lighter system**

- Fasterto installespeciallywith complex layouts
- Typically, thinner overall
- Tighter tolerances dueto stringent manufacturing processes

Tapered insulation is a great flat roof solution which allows falls to be created with specially shaped insulation, rather than requiring screed or timber firrings. Tapered insulation is compatible with many different roof types and in both new build and refurbishments. It is a flexible solution which allows for waste to be minimised through predesigned and factory-made processes. There are several advantages of using tapered insulation over alternative solution. It is up to 1.5% of the weight of screed, reducing the stress on the rest of the structure. It also eliminates the need for drying time which saves money by speeding up the overall construction time.

### Conclusion

There are lots of important factors to consider when installing a flat roof. Whether it' s a new build or refurbishment, what waterproofing system you will use, what your budget is and much more. Whichever build up you choose, it' s vital to ensure that you adhere to building regulations and that the fall in your flat roof provides efficient drainage.

### **Material Types Available**

TaperedPlus supply systemsfor:

- 1 Stone Wool - Extremely resilient to fire, Stone Wool supplied byTaperedPlus is classified as non-combustible in accordance with UKBuilding Regulations. Its inherent acoustic properties can help in meeting demanding specifications for the reduction of airborneand rain noise. Stone wool insulation is approximately
- Polyisocyanurate (PIR)- Overthe pastdecades
- 2 PIR has become the most commonly installed insulant in warm flat roofingdue its strong thermal performance, durabilityand ease of use. TaperedPlus offerPIRwith 3 difference facing to suit a projects waterproofing specification
- 3 Expanded Polystyrene (EPS) -Acosteffective rigid board solution that boasts outstanding environmental credentials. EPS is available in several grades to suit most roof loading situations, can be cutto anyfall ratio and isfully recyclable.
- 4 Extruded Polystyrene (XPS)-Typically specified for its high compressive strength, XPS insulation is mainly associated with inverted roof specifications, although with the correct waterproofing specification it can be used in warm or inverted roof build ups. The product isavailable in several gradesand can becutto anyfall ratio.
- 5 Vacuum insulation Panels (VIPs)-Although not a new technology,VIPs have recently become more prevalentin the construction industry due to their outstanding thermal performance, offeringthe lowest rigid board lambda value in the market place.
- 6 Hybrid Solutions -Taperedplus's Fusion+ range offers solutions where differentinsulants can be used in conjunctionwith oneanother to make use ofthe technical benefits offered byeach product

**New Product : ROCKDeck System**—High performance non-combustible insulation system for use in warm roof applications.

TaperedPlus's ROCKDeck System is a noncombustible, nsulation system specifically designed for balconies, terraces, and plant room roofs.

It is also an ideal solution for roofs that have roof mounted equipment and requires a noncombustible insulation system below, such as Solar and PV (photovoltaics).

The system is compatible with a wide range of waterproofing membranes and offers designers and specifiers a robust, non-combustible insulation system.

Key benefits

- Non-combustible
- Point Load Performance
- Easy handling
- Easy cutting

## Video

### **Idea (Rebecca gave)**

1 Q&A type set up about the ROCKDECK product

- what it is
- what materials it's made from
- the problems it solved
- why it is needed

2 Also create a origin story !

so as i will have the 2 co founders under 1 roof could do a video on

- why they started taperedplus
- why they got into this industry
- what they enjoy
- what they hate
- fun facts about them
- what they hope to achieve with the business

### **Example**

Content Example: <https://youtu.be/GbJBDfcmjak>

Split-screen Example: <https://youtu.be/UiJp2fIWgvk>



## Animation production website

1 Animation material website: <https://iconscout.com/all-assets/material>

2 [https://www.videoscribe.co/en/animated-video/?utm\\_term=make%20your%20own%20animation%20free&utm\\_campaign=Bigg+-+VideoScribe+-+Main+Campaign+-+UK&utm\\_source=adwords&utm\\_medium=ppc&hsa\\_acc=7733746235&hsa\\_cam=17287741385&hsa\\_grp=137322545672&hsa\\_ad=598359155244&hsa\\_src=g&hsa\\_tgt=kwd-305719000731&hsa\\_kw=make%20your%20own%20animation%20free&hsa\\_mt=p&hsa\\_net=adwords&hsa\\_ver=3&gclid=CjwKCAjwmJeYBhAwEiwAXIg0AREINYZZ7mGl1psQP\\_iU9qBXjGAXTy5t8nJrrnznWMu5h1m01DQltxoC43gQAvD\\_BwE](https://www.videoscribe.co/en/animated-video/?utm_term=make%20your%20own%20animation%20free&utm_campaign=Bigg+-+VideoScribe+-+Main+Campaign+-+UK&utm_source=adwords&utm_medium=ppc&hsa_acc=7733746235&hsa_cam=17287741385&hsa_grp=137322545672&hsa_ad=598359155244&hsa_src=g&hsa_tgt=kwd-305719000731&hsa_kw=make%20your%20own%20animation%20free&hsa_mt=p&hsa_net=adwords&hsa_ver=3&gclid=CjwKCAjwmJeYBhAwEiwAXIg0AREINYZZ7mGl1psQP_iU9qBXjGAXTy5t8nJrrnznWMu5h1m01DQltxoC43gQAvD_BwE)