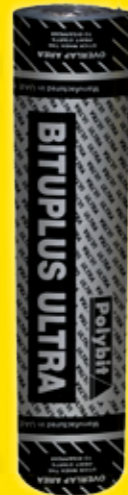


## Innovative approach for safety and ease of use

Henkel Polybit has taken an innovative approach in communication for safety and easy use of its products. The Bituplus ULTRA range of torch applied bitumen waterproofing membranes are now manufactured with an enhanced thermofusible film having clear visual features which aids the application of the membrane without any errors.

### Sticking time

With the revolutionary "Stick Timer" feature embossed on the film, it will clearly define the time to the applicator to stick the membrane on the substrate. No more risk of under or over torching!



### Overlap area

A clear demarcation line leads where is proper alignment of the membrane with the recommended overlap area. This feature ensures the correct sealing of overlaps together with elimination of wastage.



### Case study 1 Waterproofing failure

**Solution:** Correct overlapping is crucial element of waterproofing, because weak overlaps are the point of water penetration which causes membrane failure.

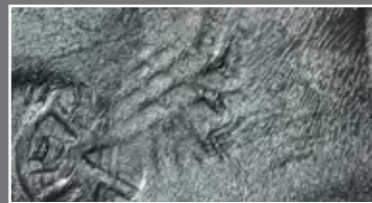


The recommended overlapping is 100mm on the side laps and 150mm at the end overlaps. Overlapping above this width will lead to waste of material. With Henkel Polybit's torch on membranes, the top film is marked with overlap width which gives the applicator the opportunity to create precise work results with easy alignment and less waste.



### Case study 2 Damage of reinforcement and poor adhesion

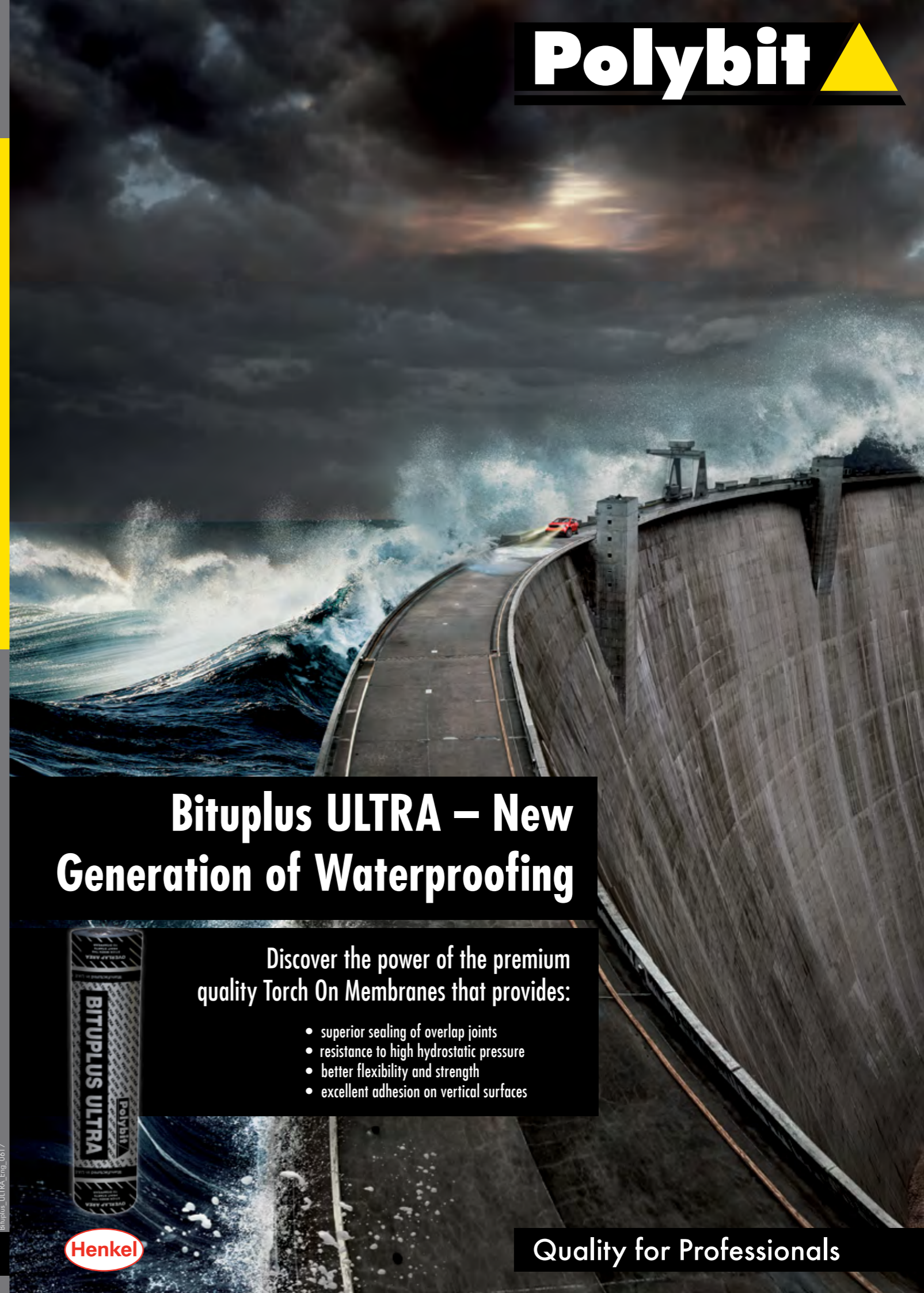
**Solution:** The damage of the embedded reinforcement is caused by over or under torching and leads to poor adhesion of the membrane with the substrate and on the overlap area. This is why application of torch on membranes require certain skills and experience. With Henkel Polybit's torch on membranes, the top film is marked with embossment that acts as an indicator when to stick the membrane thereby eliminating over torching and under torching.



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Quality for Professionals

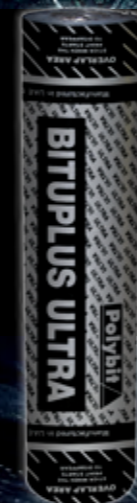
Bituplus\_ULTRA\_Eng\_0617



## Bituplus ULTRA – New Generation of Waterproofing

Discover the power of the premium quality Torch On Membranes that provides:

- superior sealing of overlap joints
- resistance to high hydrostatic pressure
- better flexibility and strength
- excellent adhesion on vertical surfaces



Quality for Professionals

## The new generation of Bituplus membranes

The **Bituplus ULTRA** range of waterproofing membranes has been developed with special selected components and advanced technologies, in order to offer **premium quality** and **superior features and performance**, even under extreme conditions.

The right blend of the high quality bitumen and polymers, coupled with various reinforcements, provides **excellent resistance to high hydrostatic pressure** and **better flexibility, strength and heat resistance**.

In order to offer **a superior sealing of the overlap joints**, the polyester used as the carrier is positioned in a carefully chosen position, while the innovative enhanced thermofusible film applied on the membrane has clear demarcation lines for proper alignment of the membranes with the recommended overlap area.

With the state-of-the-art homogenizing facility, the bitumen compound is enriched on its cohesive links at microscopic level. This simply means a high level close-knit interlocking between cells and uniform distribution of polymers that result in **excellent adhesion** of the molten bitumen compound during application, **even on vertical surfaces**.

Careful attention was paid to the level of moisture, in order to offer **a smooth finish**. The pre-heated polyester rolls are dipped and squeezed in a coat of bitumen, to make them fully bitumen saturated. This saturation process enhances the bond of bitumen compound with the carrier and also refrains it from further absorption of water, during the cooling process.

## Key benefits of Bituplus ULTRA range:

- Secured overlap joints sealing
- Resistance to high hydrostatic pressure
- Superior vertical adhesion
- High strength and flexibility
- Easiness of application
- Excellent resistance to tearing and puncturing



## Fields of application

Bituplus ULTRA products are bituminous waterproofing membranes designed to provide high resistance to the penetration of water in extreme conditions – corrosive environments, high humidity and high temperature.

### Building structures:

- Basements
- Pile heads
- Concrete foundations
- Footings
- Wet areas

### Infrastructures:

- Bridge piers & viaducts
- Underpasses
- Box culverts
- Retaining walls
- Manholes



### Wet areas:

- Swimming pools
- Water reservoirs
- Holding tanks

### Roofs & terraces:

- Inverted roofs & parapets
- Podiums
- Terraces & Balconies
- Sunken slabs