



Corus Colorsteels

[www.corus-servicecentres.com/aquatite](http://www.corus-servicecentres.com/aquatite)

**Aquatite®**

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The watertight answer to rainwater management in buildings

**Corus Colorsteels**

Steelpark  
Steelpark Way  
Wednesfield  
Wolverhampton  
WV11 3SQ

T +44 (0) 1902 484000  
F +44 (0) 1902 484279  
E [aquatite@corusgroup.com](mailto:aquatite@corusgroup.com)

**Corus Colorsteels**

North Blackvein Industrial Estate  
Islwyn Road  
Cross Keys  
South Wales NP11 7YD

T +44 (0) 1495 279100  
F +44 (0) 1495 271456  
E [aquatite@corusgroup.com](mailto:aquatite@corusgroup.com)

**Corus Colorsteels**

First Floor  
St James' House  
Pendleton Way  
Salford  
Manchester  
M6 5FW

T +44 (0) 161 736 0191  
F +44 (0) 161 745 7962  
E [aquatite@corusgroup.com](mailto:aquatite@corusgroup.com)



# Watertight performance

Optimising the performance of your buildings is a great challenge. One that can be undermined by something as simple as rainwater. However, Corus Colorsteels can offer you an effective solution in the form of Aquatite®. Developed specifically for rainwater applications in buildings, Aquatite is more than up to the most demanding job, offering performance levels second to none.

Aquatite by Corus Colorsteels offers an unbeatable combination of a strong, formable metal substrate with a non-permeable weather resistant membrane factory-bonded to the water-carrying surface. This highly effective construction gives a superior quality finish for maximum drainage efficiency. Plus, it comes with the reassurance of a leading guarantee and technical back-up.

## More choice

Aquatite is available in two hard-working products so you can choose the one best suited to your specific project or building. Both products are suitable for a wide range of rainwater applications including valley gutters, flashings, roofing and parapet copings. Whichever product you pick, you can be sure that it offers optimum performance and durability.

### **Aquatite® TPO**

- Provides an unrivalled combination of performance, durability and aesthetics for the most prestigious projects
- Tough 1.2mm thermo-polyolefin (TPO) membrane designed to withstand extremes of weather, including ponding water
- Can be hot air welded - joints are straight-forward and watertight
- Available ex-stock in a range of standard sizes
- Hot dip galvanized substrate to BS EN 10147 gives excellent corrosion resistance
- Benefits from a market-leading 20 year guarantee
- A differentiated colour from Aquatite PVC systems
- Approved for use with Envirodec 20 and Superdeck roofing systems

### **Aquatite® PVC**

- Robust, highly durable 1.2mm PVC membrane
- Simple and easy to fabricate. Can be trafficked normally during construction and maintenance
- Available ex-stock in a range of standard sizes
- PVC membrane can easily be hot air welded or chemically bonded
- Standard colour grey
- Compatible with all other PVC membranes; can be joined to Plastisol products
- Supplied on a high performance hot dip galvanized substrate to BS EN 10147

# Product performance

The high performance of Aquatite is built on its optimized design of both membrane and substrate.



## Substrate

Corus supplies its own substrates and so is able to control the manufacturing processes to give optimized product performance. The hot dip galvanized substrate to BS EN 10147 offers excellent corrosion resistance, particularly at cut edges.

## Membrane

Aquatite is available in a choice of membranes to meet the demands of a range of rainwater applications. Aquatite TPO has a thermo-polyolefin (TPO) membrane, which is completely inert, contains no harmful chemicals and will not degrade during its design life. Aquatite PVC is manufactured with a tough PVC membrane. Simple to use and fabricate it is compatible with all other PVC membranes.

Both membranes provide excellent colour stability and resistance to UV light, heat, harsh weather conditions and general wear and tear.



## Thermal performance

Designed to aid compliance with Building Regulations Part L, governing thermal building performance, Aquatite reduces the impact of cold bridging and helps minimize heat loss and condensation.

For information on thermal issues in the first instance please refer to our technical team via the contact details provided on the back page of this brochure.

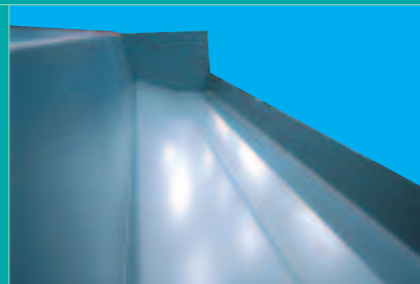
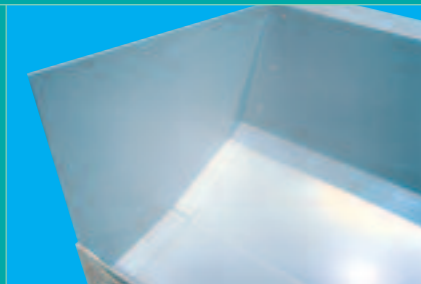


## Typical properties

	Test Specification	Aquatite TPO	Aquatite PVC
Membrane thickness range	ECCA T1	800 - 1200um	400 - 1500um
Adhesion	BS 3900/E2	100% adhesion Flat Cross Hatch	100% adhesion Flat Cross Hatch
Corrosion Resistance			
Salt Spray	ECCA T8	1000 Hrs	1000 Hrs
Humidity	BS 3900/F2	1000 Hrs	1000 Hrs
Maximum continuous operating temperature		60°C	60°C
Minimum forming temperature		16°C	16°C
Hot air welding temperature		300°C to 400°C	>400°C

# Handling and use

Aquatite is extremely durable and so requires no special handling practices. It is highly formable and can be fabricated easily into virtually any shape or profile using existing equipment and methods.



## Welding

Both Aquatite TPO and PVC can be installed using established 'single ply' heat seaming techniques. Joints are straightforward and can be produced on-site using simple hot air welding techniques that give excellent water-tight results. This also eliminates the need for mechanical fixings and sealants, which can be messy and costly, and it ensures that the finished installation looks good too. Aquatite PVC can also be chemically bonded. Further practical details on welding Aquatite are available from Corus Colorsteels and can also be downloaded from [www.corus-servicecentres.com/aquatite](http://www.corus-servicecentres.com/aquatite).

## Product Health and Safety datasheets

There is a Product Health & Safety datasheet for each of the Aquatite membrane products and the substrate. These are available from Corus Colorsteels and they can also be downloaded from [www.corus-servicecentres.com/aquatite](http://www.corus-servicecentres.com/aquatite).

## Technical support

At Corus Colorsteels we have many years experience of working with customers to help them get the most out of our products and services. If required, our technical experts are on-hand to advise on the fabrication and application of Aquatite products. Specialist training and on-site support is also available.

# Guaranteed to perform

Both Aquatite products come with the reassurance of a leading guarantee. Aquatite TPO is guaranteed for 20 years, with an expected life-span of 25, whilst Aquatite PVC comes with a 15 year guarantee and an expected life-span of 20.



## Peace of mind

The written guarantee applies to a specific building and so can be transferred should ownership of the building change. It offers full and complete restoration in the event of any defects, providing complete peace of mind.

## Registering your building

To obtain your guarantee, simply register online at [www.corus-servicecentres.com/aquatite](http://www.corus-servicecentres.com/aquatite). Alternatively, ask Corus Colorsteels for a guarantee registration card which you should complete and return.

## In control

Aquatite offers the perfect, hassle-free solution to managing rainwater in your building. It provides an unbeatable combination of performance, ease of use and durability.

To find out more please contact us today.