



Weatherproof Covering Systems

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Weatherproofing

Agenda

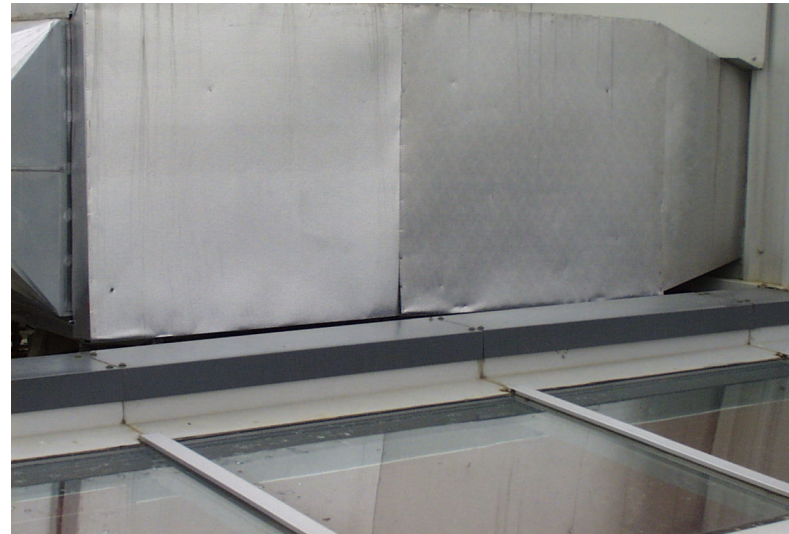
- Problems with existing cladding systems.
- Benefits & Advantages of VentureClad – 1577cw.
- Approvals and Installations.
- Method of Application.
- Acrylic Adhesive System- They Key Ingredient.
- VTC – Insulation Range of Products.
- Conclusion.

Problems With Existing Cladding Systems

Sheet Metal Jacketing

- Difficulty in making and maintaining a waterproof seal.
- Rivets, screws and sealants required.
- Easily damaged- costly repair costs
- Fabrication Required
- Heavy to Handle & Transport
- Health and Safety Concerns
- Price Volatility.

Metal Cladding Issues



VentureClad – 1577cw

Benefits & Advantages



Benefits & Advantages

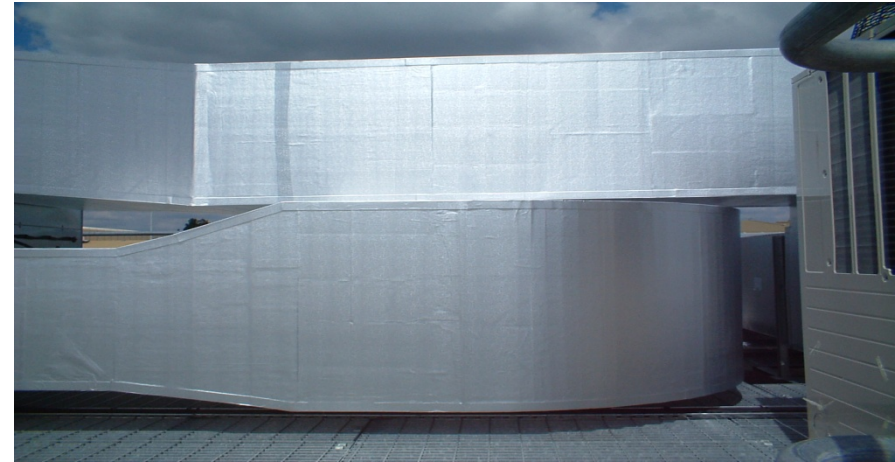
- Weather resistant.
- Absolute vapour barrier.
- Permanent acrylic self adhesive system.
- Watertight construction.
- All climate application.
- Temperature application range (-23°C to 149°C).
- Does not stretch, split or crack.
- Joints & seams remain closed.
- Fast, clean, dry, safe installation.
- Easy inspection & repair.
- BS 476 parts 6&7, UL listed.
- A warranted System.
- Long term savings.

Approvals & Installations

- British Standards BS 476 parts 6 & 7.
- IMO – International Marine Organisation.
- UL Listed.
- Meets FDA requirements.
- CINI Approved.
- Approved by major insulation manufacturers.

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Application Photographs.

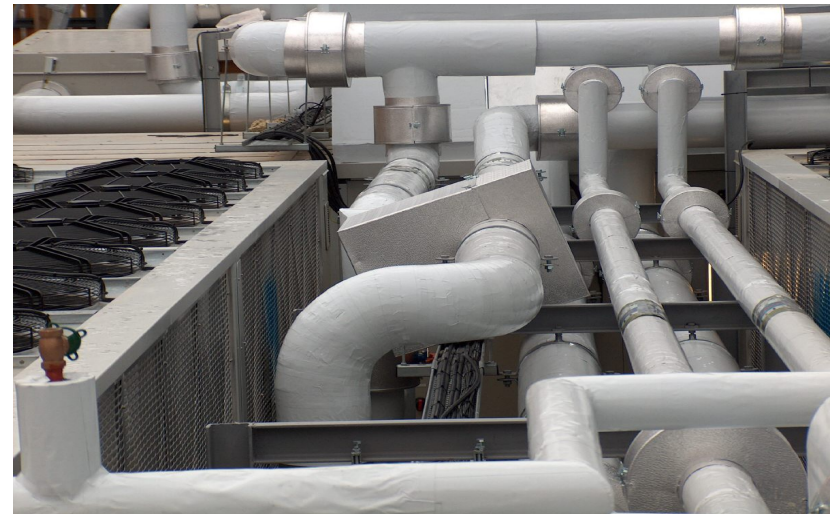


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VentureClad on Pipe Work



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District Health City - Dubai



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Durban – South Africa



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Before and After



VentureClad – 1579cw

13 ply Jacketing System

Benefits & Advantages

- All performance properties as 1577cw.
- Superior mechanical strength.
- Improved appearance.
- Increased Thickness.
- Closer to 0.6mm Aluminium Cladding.
- Designed for Industrial applications to replace metal cladding installations.

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VentureClad - 1579cw Installations



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Method of Application



Tools required are a flat surface, a pair of scissors, a straight edge and applicator. The insulation is to be sealed with 1517cw foil tape. The use of metal angle to the corners of the insulation can improve aesthetics.

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Peel back part of the liner and offer up to the insulation and smooth out. Then start to pull and smooth the remainder of the VentureClad.

Apply the next piece with the recommended overlap and apply pressure to ensure complete adhesion to the insulation underneath.

Pieces are applied starting from the bottom, then to the sides and finally the top which then overlaps down on the sides.



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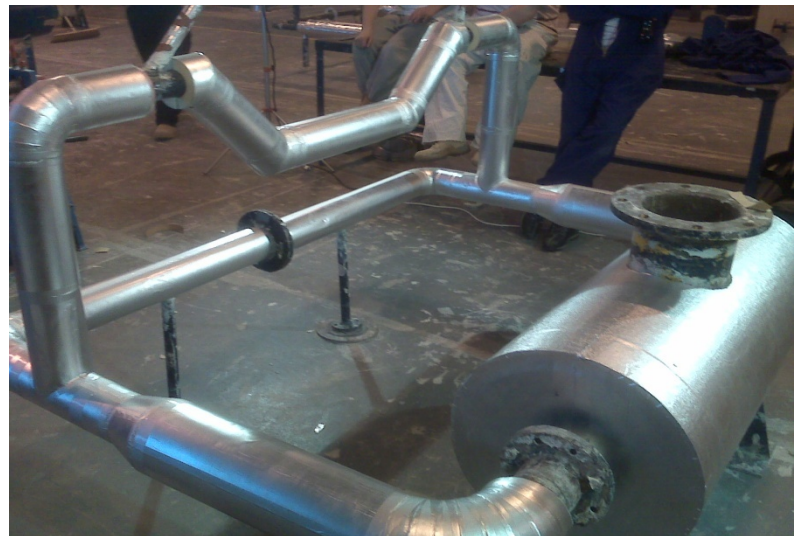
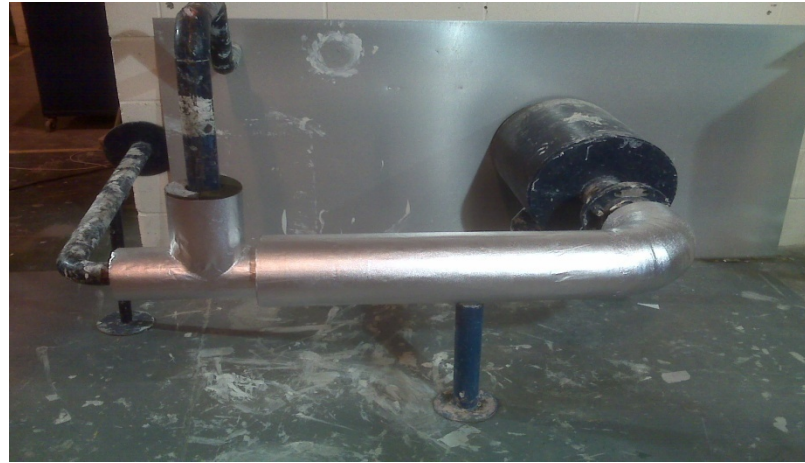
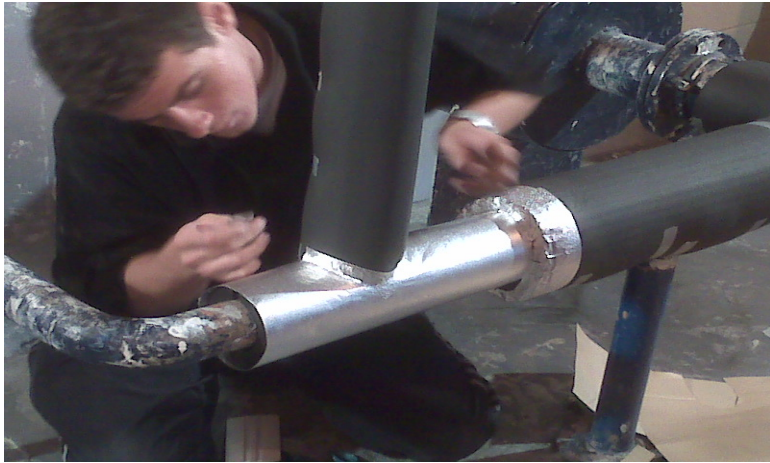
Once all four sides have been covered with Ventureclad, the client is left with a watertight construction that has a ten year weatherproof warranty.

The overall benefits are that the system operates efficiently, maintenance is reduced and returns for repairs by contractors dramatically reduced.



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Application To Pipe



Application Range

- Internal and External Ducts and pipe work.
- Cold Insulation – LNG, LPG etc.
- Cold Stores- replacing mastics as vapour barrier.
- Cold Room Linings.
- Pharmaceutical – Wash down applications.
- Clean Room applications.
- Food Industry
- Hospitals and Schools.
- Refineries.
- Power Stations.



Worldwide Applications

- European Installations.
- The Prince of Wales Theatre.
- Swiss Re Tower – London.
- DLO – Andover
- Marks & Spencers
- BBC Studios – Glasgow.
- Marriott Hotel – Edinburgh.
- Global Switch Building in Amsterdam.
- Smith Kline Beecham
- BASF – Germany.
- ConocoPhilips- Norway
- Statoil- Norway.
- ExxonMobil – UK.

Applications - USA

- Air Products – Texas.
- ExxonMobil – Texas.
- Rice University, Houston – Texas.
- Channelview High School, Houston – Texas.
- LSU, Baton Rouge – Louisiana.
- TrunkLine LNG – Lake Charles.
- Turning Stone Casino – New York.
- NASA
- University of Minnesota.
- Coca Cola.
- These are in very similar climate conditions as the UAE.

UAE Approvals

- District Health City – Dubai
- Motor City – Dubai
- Emirates Motor Company Complex- Abu Dhabi
- Atlantis Hotel – Dubai
- Dubai Marina
- Lagoon Plaza – Doha
- Qatar Petroleum – Messaid site
- Many more to follow.

Acrylic Adhesives

The Key Ingredient

Features

- Balanced shear, adhesion and tack
- Excellent resistance to thermal and UV degradation – constant 149°C
- Excellent Performance in High Humidity Climates
- Excellent ageing characteristics
- Broad temperature performance range
- Water Resistant
- Non-corrosive
- A Safe and Non Hazardous Product.

Performance Comparison

- | | |
|---------------------------------------|------------------|
| • Tack and Peel: | Rubber > Acrylic |
| • Cohesive Strength at Elevated Temp: | Acrylic > Rubber |
| • Stability: | Acrylic > Rubber |
| • Temperature Range: | Acrylic > Rubber |
| • Cost: | Acrylic > Rubber |
| • Longevity: | Acrylic > Rubber |



Adhesive Foil Tapes

- Patented Solvent CW Acrylic Adhesive.
- Great Application Range (-23°C to 149°C).
- UV stable.
- Will not dry when exposed to air.
- Can be applied in High Humid conditions..
- Bond increases over time instead of decreasing.
- No special storage required.
- BS 476 parts 6&7, UL Listed.
- Approved by major insulation manufacturers.

VTC – Insulation Range of Products

- 1577cw – 5 ply laminate. - H & V, Cold Insulation, Cold Stores, Clean Rooms, Anti – Splash Protection.
- 1577cw – Tedlar Finish. – Great chemical resistance, for wash down areas using caustic cleaning solutions.
- 1579cw – 13 ply laminate. - Weatherproof covering for H & V, Power Stations, Refineries etc.
- 1577cw-WM 6 ply laminate.- Alternative to Stainless Steel, Offshore, Refineries, Chemical, Food Plants etc.
- Foil Tapes - to complete vapour barriers.
- Cryogenic Covering & Tapes – For LNG, LPG installations.

Conclusion

A complete range of vapour tapes, barrier systems and both internal / external cladding systems.

Proven products across the world providing quality and peace of mind.

Questions ?

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