



Long term waterproofing and weather-proofing of walls and structures with the option of Thermal Barrier and Anti Condensation properties

Belzona® 5151 (Hi-Build Cladding) has been used successfully for many years to provide outstanding protection to the exteriors of almost all types of buildings and structures.

As a further development of this outstanding product, involving the hybridisation of complex polymer and ceramic technologies, Belzona® 5131 (EG-Cladding) offers all of the advantages of Belzona® 5151 combined with the option of built in energy conservation properties.

The low thermal conductivity of Belzona® 5131, together with its exceptionally low heat capacity, means that cold surfaces treated with the material feel warmer and hot surfaces feel cooler.

Simple application gives a seamless thermal barrier ideal for water- and weather-proofing almost all building fabrics.

Both products are suitable for use on porous and non-porous substrates including:

- **BRICKWORK**
- **ASBESTOS CEMENT**
- **STONEWORK**
- **ALUMINIUM**
- **RENDER**
- **COATED STEEL**
- **CORRUGATED IRON**
- **EXISTING PAINTED SURFACES, INCLUDING BITUMINOUS TREATMENTS**



EXTERNAL WALLS



INTERNAL WALLS



DUCTING AND PIPEWORK



CEILINGS AND UNDERSIDE OF ROOFS



METAL ROOFS AND CLADDING



COLD PIPEWORK

The Unconventional Alternative

Belzona Polymerics Ltd. Harrogate, HG1 4AY England
 Fax: +44 (0) 1423 505967 • Tel: +44 (0) 1423 567641
 E-Mail: Com@belzona.co.uk

Belzona Inc. Miami, Florida 33172, USA
 Fax: (305) 599-1140 • Tel: (305) 594-4994
 E-Mail: Belzona@belzona.com

www.belzona.com





BELZONA®

5131/5151

EG-CLADDING/HI-BUILD CLADDING



BELZONA® 5131 REDUCED CONDENSATION ON THESE COLD WATER PIPES



BELZONA® 5131 REDUCED SURFACE TEMPERATURE OF THESE OVENS



BELZONA® 5151 PROVIDED LONG TERM WEATHER-PROOFING OF THESE EXPOSED APARTMENTS

Both Systems provide Versatility in Application

- Suitable for use on porous and non-porous substrates.
- Easily applied by brush or roller to give a smooth or heavily textured finish.
- Can be applied to damp surfaces as micro-porosity allows substrates to dry out.

Both Systems provide Exterior Protection of your Building

- Highly flexible coating passing ASTM D522 1.5 inch conical mandrel and BS3900 : E1 0.5 inch cylindrical mandrel tests at temperatures as low as -24°C (14°F), thus accommodating normal building movements.
- Excellent waterproofing characteristics.
- Low carbon dioxide permeability drastically reduces risk of carbonation.
- Outstanding stability in aggressive environments.
- On external walls, the self cleaning characteristics of the coatings eliminate the need for repetitive repainting.

In addition Belzona® 5131 provides Energy Conservation

- Low thermal conductivity of the coating (0.105 W/m²/K) makes it ideal for the treatment of "cold" surfaces such as external walls or the underside of roofs and ceilings, dramatically reducing the risk of condensation and associated mould growth on cold surfaces in a warm environment.
- Reflection and refraction of radiation from sunlight reduces heat build up and degradation of coating, thus leading to ever longer term protection.

Plus Cost Savings

- Cost of heating can be significantly reduced due to "warm feel" of coating.
- Cooling costs can be markedly reduced in warm summer months due to the solar reflective properties of the coating which minimize heat build up of the coated surface.
- Cost of refurbishment arising from condensation damage can be avoided.



BS EN ISO 9002 - 1994
Certificate No. Q/09335