

NBS Specification Clauses – Key Considerations and Typical Specifications

PRELIMINARY INFORMATION / REQUIREMENTS

Performance Specification – Antimicrobial protection of touch-surfaces

Copper alloys possess many desirable properties for engineering, durability, sustainability, and aesthetic purposes. Independent research around the world has proven several “high copper” alloys to also have potent inherent antimicrobial properties for touch-surface usage, even under typical indoor (dry) conditions.

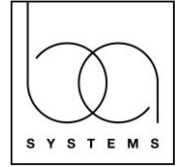
To be considered equal to the Vetobac® VBA99 material specified, any alternative proposal must:

- Have proven multi-modal efficacy equal or greater than that of copper alloys against the same range of pathogenic microbes, under the same test conditions
- Have equal or greater durability of the material and its antimicrobial effect without extra maintenance or intervention
- Have equal or better fire performance characteristics
- Have the same recyclability and recycled material content
- Have documented evidence of safety for touch surface applications to people and the environment (including being non-leaching)
- Offer same or lower contribution to Antimicrobial Resistance than copper / copper alloys
- Not rely on a coating for antimicrobial it's efficacy and be consistently effective throughout its service life
- Display superior corrosion and discoloration resistant properties

Vetobac® VBA99 products are made from the solid or “massive” copper alloys included within the US EPA list of registered Antimicrobial Copper alloys.

Key facts to note:

- VBA99 destroys 95% of the Sars-Cov-2 virus within 10 minutes of contact time and completely destroys the virus in under 3 hours.
- The specific blend used for Vetobac® VBA99 has excellent anti-corrosion properties in some cases superior to stainless steel, yet possesses intrinsic antimicrobial properties.
- Vetobac® products are made from solid alloy, not a surface coating
- No lacquer or varnish is applied to Vetobac® products; equally, none must be applied, in order to preserve the ‘contact kill’ antimicrobial properties of the alloy.



NBS Specifications

Typical NBS L30 Specifications

1. Wall Mounted Handrails

Manufacturer: BA Systems, 22 Bidwell Road, Rackheath Industrial Estate, Norwich, NR13 6PT

Tel: 01603 722330; sales@basystems.co.uk; www.basystems.co.uk

Product Reference: Vetobac VBA99 Wall Mounted Handrails 42mm diameter

Internal/ External: Internal/ External

Guarding: None

Infill: None

Fixing Methods: Wall brackets with cover rose in non-touch stainless steel.

Design Criteria: Touch handrails in VBA99 with test certification of efficacy in destroying Covid 19 virus

Other Requirements: Load requirement 0.74kN/m; Handrails to be mounted between 900mm and 1000mm above finished floor level or the pitch line of the stairs; Handrails to extend 300m beyond the top and bottom nose of the stairs.

2. Floor Mounted Handrails and Balustrades

Manufacturer: BA Systems, 22 Bidwell Road, Rackheath Industrial Estate, Norwich, NR13 6PT

Tel: 01603 722330; sales@basystems.co.uk; www.basystems.co.uk

Product Reference: Vetobac VBA99 Wall Mounted Handrails with B20 Balustrade System

Internal/ External: Internal/ External

Guarding: 50mm diameter satin stainless steel non touch posts

Infill: 11.5mm thick clear toughened and laminated and heat soak tested glass

Fixing Methods: To be determined face mounted to surface mounted

Design Criteria: Touch handrails in VBA99 with test certification of efficacy in destroying Covid 19 virus, mounted to balustrade

Other Requirements: Load requirement 0.74kN/m, 1.5kN/m, 3.0kN/m; Handrails to be mounted between 900mm and 1000mm above finished floor level or the pitch line of the stairs; Handrails to extend 300m beyond the top and bottom nose of the stairs.

PLEASE CONTACT BA SYSTEMS FOR ASSISTANCE WITH BESPOKE SPECIFICATIONS

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