



Supplement No. 1 To WF No. 174240

Supplement No. 1 To Test Report No. WF. 174240

Test report WF No.174240 relates to an Ad-Hoc Test 'To Determine The Fire Resistance Of A Hospital Waste Bin'. The sponsor, Environmental Hygiene Products Limited, requested that **Bodycote warringtonfire** conduct a test on one of their bins to demonstrate its fire resisting properties in an attempt to show compliance against Clause 3.15 of the Firecode, Health Technical Memorandum 83, 'Fire safety in healthcare premises – General fire precautions".

The test was performed on the 17th June 2008 and the product was described in the report as follows:

| | | |
|--------------------------------|--|----------------------|
| Trade name / product reference | "Mini Medium Sackholder" | |
| General description | <p>A 50 litre capacity foot pedal operated bin having an epoxy powder coated zintec steel lid and body. A rubber bungee cord is fitted to the top of the body for retaining the sack. Two plastic wheels are fitted at the rear of the bin and a foam sealing gasket is positioned around the perimeter of the lid.</p> <div style="display: flex; justify-content: space-around;">   </div> | |
| Overall dimensions | 630 mm high x 425 mm wide x 440 mm deep | |
| Total weight | 10 kg | |
| Capacity | 50 litres | |
| Name of manufacturer | Environmental Hygiene Products Ltd | |
| Main Body | Trade name / product reference | "Zintex Steel" |
| | Detailed description / composition details | 'Zintec' steel |
| | Name of manufacturer | Rohan Metals |
| | Density / weight per unit area | 7.8kg/m ² |
| | Thickness | 1.2mm |
| Flame retardant details | The steel is inherently flame retardant | |

Continued on next page

| | | |
|---|--|---|
| Main Body Coating | Generic type | Epoxy powder coating |
| | Trade name / product reference | "Epoxy Polyester" |
| | Name of manufacturer | HMG Powder Coatings |
| | Colour | White |
| | Coating thickness | 70 microns |
| | Application method | Electrostatic dry powder |
| | Flame retardant details | The sponsor stated that no flame retardant additives are utilised in the production of the coating |
| | Curing process per coat (temp & duration) | 180 degrees for a period of 20 minutes |
| Lid Coating | Generic type | Epoxy powder coating |
| | Trade name / product reference | "Epoxy Polyester" |
| | Name of manufacturer | HMG Powder Coatings |
| | Colour | Orange |
| | Coating thickness | 70 microns |
| | Application method | Electrostatic dry powder |
| | Flame retardant details | The sponsor stated that no flame retardant additives are utilised in the production of the coating |
| | Curing process per coat (temp & duration) | 180 degrees for a period of 20 minutes |
| Sealing gasket | General description | A self adhesive foam sealing gasket |
| | Trade name / product reference | "Intacfoam" |
| | Generic type | Flame retardant grade foam The sponsor was unable to obtain any further information from the supplier of the product. |
| | Name of manufacturer | Intertec Foam Limited |
| | Colour | Black |
| | Thickness | 3.78mm (uncompressed) |
| | Weight per unit area / density | The sponsor was unable to obtain this information from the supplier of the product. |
| | Flame retardant details | The sponsor was unable to obtain this information from the supplier of the product. |
| Brief description of manufacturing process of complete unit | <ul style="list-style-type: none"> • Bin folded in press • Spot welded • Powder coated • Assembled and packed into a box | |

Clause 3.15 of the Firecode, Health Technical Memorandum 83, 'Fire safety in healthcare premises – General fire precautions', does not specify a specific test method but details the following requirements :-

"Paper or plastic refuse sacks must be mounted on fixtures with self-closing lids, but these must not be located in corridors or escape routes. If located in a staff or patient care area, refuse sacks should be completely housed in a non-combustible container, for example a metal bin with a well-fitting, self-closing, metal lid, or in a fire-resisting enclosure."

As no test method is specified in Clause 3.15 of the Firecode, Health Technical Memorandum 83, an Ad-Hoc test was performed to examine the fire resistance properties of the product when typical combustible contents are ignited and the flaming allowed to establish.

It was the opinion of **Bodycote warringtonfire** that the test demonstrated the ability of the waste bin to contain an internal fire and maintain its integrity without any external flaming. This, in conjunction with its construction, demonstrated that the bin met the requirements of Clause 3.15 of the Firecode, Health Technical Memorandum 83.

Since the report has been issued, a new document entitled "Firecode – Fire Safety In The NHS Health Technical Memorandum 05-03: Operational Provisions, Part A - General Fire Safety" has been issued by the Department Of Health in August 2008 and this document supersedes the Firecode, Health Technical Memorandum 83, 'Fire safety in healthcare premises – General fire precautions' document.

Clause 3.1.2 of "Firecode – Fire Safety In The NHS Health Technical Memorandum 05-03: Operational Provisions, Part A - General Fire Safety" states:

"Waste should be stored in secure receptacles such as imperforate non flammable or metallic bins, with well fitting lids".

It is the opinion of **Bodycote warringtonfire** that the product covered by this report satisfies the requirements of Clause 3.1.2 of "Firecode – Fire Safety In The NHS Health Technical Memorandum 05-03: Operational Provisions, Part A - General Fire Safety".

This supplement should be read in conjunction with WF No. 174240.

Responsible Officer



M Dale
Deputy Operations Manager
Reaction to Fire Testing

Approved



C Dean
Operations Manager
Reaction to Fire Testing
For and on behalf of
WARRINGTON FIRE RESEARCH CENTRE

Date of Original Issue: 23rd April 2009