

# Technical Data Sheet

## Acoustic Foam (WCMCS-0)

### PHYSICAL PROPERTIES

| <u>Property</u>                             | <u>Result</u>                      | <u>Test Method</u> |
|---|------------------------------------|--------------------|
| DENSITY:                                    | 90 Kg/m <sup>3</sup>               | BS EN ISO 845      |
| COLOUR:                                     | Dark Grey                          |                    |
| FIRE PROPAGATION INDEX:                     | <12                                | BS476 Pt. 6        |
| SURFACE SPREAD OF FLAME:                    | Class 1                            | BS476 Pt. 7        |
| BUILDING REGS. 1991 (Fire Safety):          | Class 0                            | BS476 Parts 6 & 7  |
| OPERATING TEMPERATURE:                      | -30 - +100°C                       | DIN4102, Teil 1    |
| UL94 CLASSIFICATION:                        | 94 V-0                             | UL94               |
| SURFACE BURNING BEHAVIOUR:                  | Class A                            | ASTM E84-95        |
| AIR EROSION RESISTANCE:<br>(4001 - 600 fpm) | Pass                               | ASTM C1071-91 12.7 |
| MILDEW (FUNGUS RESISTANCE):                 | Does not support growth            | ASTM D-2020        |
| FUNGUS RESISTANCE TEST:                     | Does not support growth            | ASTM G21           |
| WATER VAPOUR ABSORPTION:                    | <9%                                | ASTM C553-92       |
| STORAGE TEMPERATURE:                        | 20°C                               |                    |
| THERMAL CONDUCTIVITY:                       | 0.346 btu in/hr ft <sup>2</sup> °F | ASTM C518-91       |
| CORROSIVENESS (Galvanised Steel):           | Pass                               | ASTM C665-95       |
| HOT SURFACE PERFORMANCE:<br>@ 100°C 96 Hrs. | Pass                               | ASTM C411-97       |

### ACOUSTIC PERFORMANCE INFORMATION

|  |            |
|--|------------|
| Sound absorption @ 25mm (normal incidence) | NCR < 0.40 |
| Sound absorption @ 12mm (random incidence) | NCR < 0.28 |
| Sound absorption @ 25mm (random incidence) | NCR < 0.50 |
| Sound absorption @ 50mm (random incidence) | NCR < 0.78 |

**SPONGE & FOAM**



Certificate Number: 14352  
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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