

# SPARSTONE™ SPECIFICATION

## MEAN COMPRESSIVE STRENGTH (AIR DRY)

|                  |                        |
|------------------|------------------------|
| Solid:           | 17.5 N/mm <sup>2</sup> |
| Hollow/cellular: | 10.4 N/mm <sup>2</sup> |

**NET DRY DENSITY:** 2100 kg/m<sup>3</sup>

## GROSS DRY DENSITY:

Textured: Please refer to Table 3 in the Forticrete Masonry Design Guide

Split: 2090 kg/m<sup>3</sup>

## MANUFACTURING TOLERANCE

D1

Textured: +2,-2mm in all directions

Split: length +2,-2mm

height +2,-2mm

**CATEGORY:** I

## THERMAL PROPERTIES

as CIBSE Guide A table 3.1:

|            |           |
|------------|-----------|
| Protected: | 1.46 W/mK |
| Exposed:   | 1.56 W/mK |

## DURABILITY:

see table 12: BS 5628- 3:2005

## WATER ABSORPTION:

<75 g/m<sup>2</sup>/s<sup>0.5</sup>

## MOISTURE MOVEMENT:

<0.45mm/m

## WATER VAPOUR PERMEABILITY:

(tabulated from EN 1745): 5/15 μ

## REACTION TO FIRE:

Euroclass A1

## SHEAR BOND STRENGTH:

(tabulated from EN 998-2:2003 Annex C)  
0.15 N/mm<sup>2</sup>

## CONFIGURATION

to EN 1996-1-1

|                 |         |
|-----------------|---------|
| Solid:          | Group 1 |
| Hollow/Cellular | Group 2 |

**AIR LEAKAGE:** <7.5m<sup>3</sup>/hr/m<sup>2</sup>