# BLOWN GRANULAR MARINE MASTIC

**(PATENT NO. GB2372251)**

Blown Granular Marine Mastic, Grade D2/S is produced in accordance with our unique quality controlled process. The granular D2/S mastic has the appearance of loose, free flowing powdery granules, delivered in bulk bags ready for use. Bag size can be varied, but is typically around 1.2 to 1.3 tonnes.

## ***ADVANTAGES OF USING BLOWN GRANULAR MASTIC***

- Free flowing characteristics
- More rapid melt down
- More convenient transport system (bulk bags) for improved logistics & offshore efficiency
- Less likely to clump and to be tacky

Blown Granular Marine Mastic is designed to include a controlled moisture content to enhance the product's free flowing characteristics. A product, which is user friendly, easy to handle and melts rapidly, speeding up the joint sealing process.

## ***RECOMMENDED STORAGE/POURING TEMPERATURES***

### **Marine Mastic**

**Working Storage Temperature: 170°C - 210°C**

If due to operational requirements, there is a need to maintain the mastic at working temperature for an extended time, the following recommendations should be followed.

a) Do not hold at a temperature of 200°C for more than 6 hours or 8 hours at 180°C.

b) Pre-plan the storage time and if in excess of those in a) the holding temperature should be reduced to 150°C or lower to be consistent with maintaining movement of the mastic in the Dope Kettle.

c) When storage time is to exceed that in a) fresh material and or 85/25 Bitumen shall be added in sufficient quantity to maintain an acceptable flow characteristic.

d) For extended storage times, lids on the Dope Kettle, where fitted, shall be closed to restrict exposure to the air which may accelerate hardening.

e) After extended storage time at any temperature above melt, the mastic should be inspected and Pure Bitumen added when necessary to bring the mastic to an acceptable consistency.

Submat is a trading name of SLP Precast Limited, Hamilton House, Battery Green Road, Lowestoft, Suffolk NR32 1DE
First Point Assessment No.10044028

South East Asia contact information:
Telephone No.: + (65) 9753 0163
Fascimile No.: + (65) 6365 2569
Email: bjlozada@singnet.com.sg
Website:www.slp-eng.com

United Kingdom contact information:
Telephone No: +44 (0) 1502 548180
Facsimile No: +44 (0) 1502 585525
Email: albert.russell@slp-eng.com
Website:www.slp-eng.com

# BLOWN GRANULAR MARINE MASTIC

**(PATENT NO. GB2372251)**

***Blown Granular Marine Mastic in Bags waiting shipment***

***Hot Pouring of Granular Marine Mastic***

## ***PHYSICAL PROPERTIES***

D2/S Marine Mastic demonstrates the following key physical properties.

| TEST | METHOD | SPECIFICATION | TYPICAL MEAN VALUES |
|---|---|---|---|
| **Impact Resistance** | A1 – SS7 | $0^{o}C \geq 5cm$<br>$25^{o}C \geq 7cm$ | 18cm<br>14cm |
| **Bending Resistance** | A1 – SS7 | $0^{o}C \geq 25$ s<br>$25^{o}C \geq 30$ s | >35 s<br>>60 s |
| **Tensile Strength** | A1 – SS7 | $0^{o}C \geq 15$ kg cm $^{-2}$<br>$25^{o}C \geq 8$ kg cm $^{-2}$ | 16.5 kg cm $^{-2}$<br>8.6 kg cm $^{-2}$ |
| **Compressive Strength** | ASTM D695<br>(5mm min $^{-1}$) | $0^{o}C \geq 650$ psi<br>$20^{o}C \geq 220$ psi | 779 psi<br>257 psi |
| **Elasticity Modulus** | ASTM D695<br>(5mm min $^{-1}$) | $20^{o}C \geq 1100$ psi | 10,546 psi |
| **Density** | BS 594/598 Part 3 | 2,100 ± 50 kgm$^{-3}$ | 2,158 kgm$^{-3}$ |
| **Seawater Absorption** | $15^{o}C$ 1 Bar<br>40 Bar<br>60 Bar | - | 0.040%<br>0.094%<br>0.052% |
| **Electric Resistance** | BS 903/2044 | - | >58.9 GΩ cm |