

# CAST IRON 8mm

PRODUCT DATASHEET • ISSUE 5 - 07.02.23

## FEATURES

- MANUFACTURED IN THE UK TO BS EN 14499
- FLAME RETARDANT
- CONFORMS TO MARINE DIRECTIVES
- EASY PEEL APPEAL

## APPLICATIONS

- CONTRACT AND DOMESTIC AREAS
- SUITABLE FOR MARINE INSTALLATIONS
- INSTALLATIONS WHERE LUXURIOUS FITTING IS REQUIRED (CABINS)



## STANDARD SPECIFICATIONS

|                      |                              |                       |
|----------------------|------------------------------|-----------------------|
| CORE                 | Combustion modified core     |                       |
| TOP SURFACE          | FR Spun Bonded Polypropylene |                       |
| BOTTOM SURFACE       | Thermoplastic Film           |                       |
| NOMINAL THICKNESS    | 8.00 mm                      |                       |
| NOMINAL ROLL WEIGHT  | 17.8 kg                      | 39.2 lb               |
| WEIGHT PER UNIT AREA | 1181 g/m <sup>2</sup>        | 35 oz/yd <sup>2</sup> |
| ROLL LENGTH          | 11.0 m                       | 36.0 ft               |
| ROLL WIDTH           | 1.37 m                       | 54 in                 |
| CORE DENSITY         | 140 kg/m <sup>3</sup>        |                       |
| PRODUCT DENSITY      | 147 kg/m <sup>3</sup>        |                       |

## BS EN 14499:2015 TEST RESULTS - UK AND EU STANDARD FOR CARPET UNDERLAYS

|   |                   |                       |
|---|-------------------|-----------------------|
| END USE CLASSIFICATION                  | BS EN 14499       | L/U                   |
| WORK OF COMPRESSION AFTER 1000 IMPACTS  | BS 4098           | >120 J/m <sup>2</sup> |
| RETENTION OF WORK OF COMPRESSION        | BS 4098           | >80 %                 |
| LOSS IN THICKNESS AFTER STATIC LOADING  | BS 4939 ISO 3416  | <5.00 %               |
| LOSS IN THICKNESS AFTER DYNAMIC LOADING | BS ISO 2094 (R05) | <5.00 %               |
| RESISTANCE TO CRACKING                  | BS EN 14499       | Pass                  |

## FIRE RESISTANCE TESTS

CONFORMS TO EUROPEAN MARINE EQUIPMENT DIRECTIVE (MED) 2014/90/EU

MED QUALITY APPROVAL CERTIFICATE - MODULE D

UK MARITIME AND COASTGUARD AGENCY TYPE APPROVAL CERTIFICATE

UK MCA QUALITY APPROVAL CERTIFICATE - MODULE D

|                                    |                   |                             |
|------------------------------------|-------------------|-----------------------------|
| IMO - FLAMMABILITY TEST            | MSC 307 (88) Pt 5 | Pass                        |
| IMO - MARINE SMOKE & TOXICITY TEST | MSC 307 (88) Pt 2 | Pass                        |
| HOT METAL NUT TEST                 | BS 4790           | Pass - Low radius of effect |

## INDOOR AIR QUALITY TEST

|                             |           |  |
|-----------------------------|-----------|--|
| TESTED TO ISO 16000         |           |  |
| FRENCH VOC REGULATIONS      | A+        |  |
| FRENCH CMR COMPONENTS       | Pass      |  |
| ITALIAN CAM                 | Pass      |  |
| AgBB/ABG                    | Pass      |  |
| FORMALDEHYDE EMISSION CLASS | E1        |  |
| BREEAM® NOR                 | Compliant |  |

## OTHER RELEVANT TESTS

|   |                                      |                   |
|---|--------------------------------------|-------------------|
| THERMAL RESISTANCE (TOG RATING)                 | BS 4745                              | 2.1 Tog           |
| IMPACT SOUND IMPROVEMENT INDEX (TESTED / RATED) | BS EN ISO 10140-3<br>BS EN ISO 717-2 | 37 dB (Estimated) |

## DISCLAIMER

Whilst every effort is made to ensure its accuracy, the data on this sheet is meant for information purposes only. The typical properties listed are the result of extensive laboratory tests, but since Ball & Young has no control over the end use of each material, we cannot guarantee these results are obtained in practice. Users should conduct their own tests to determine the suitability of each material to its intended application.