

# Ockwells Flame Retardant ArmaShield

**Description:** Flame Retardant Protection Board

**Flame Retardant Board:** Type 3.0mm/600gsm (white)

**Made from:** FR Honeycomb Polypropylene Sheet

**Dimensions:** 1200mm x 2400mm

**Corners:** Machine cut

**Edges:** Machine cut

**Product Identification:** Print as requested by customer

**Types Available:** Flame Retardant boards. Standard boards are non-Flame Retardant (see separated sheets for further details on non-flame retardant protection board)

**Flame Retardant:** This FR board is made from polypropylene and flame retardant additives according to the manufacturers guide recommendations for B1-DIN 4102-Tei11. Tests are carried out on 1 sheet per pallet

**Recycling properties:** Both flame retardant and standard non-flame retardant board are made for PP5 100% recyclable polypropylene material.

### Details:

1. Product type Honeycomb Polypropylene Board
2. Material: Mix of Copolymer Polypropylene types
3. Weight: Approx. 1400gsm
4. Colour: Black
5. Dimensions: 2400 x 1200mm
6. Tolerance length: +/- 1mm
7. Tolerance: Diagonal: +/- 3mm
8. Thickness: 4.0mm +/- 5%
9. Surface: Dimpled
10. Compressive strength tested to 200n per cm

**Material properties:**

1. Thermal properties during application of the sheet  
Long Term: -30 degrees C +100 degrees C  
Short Term: -40 degrees C +120 degrees C  
Definition Long Term: -30 degrees C. several years  
+100 degrees C. several years  
Definition Short Term: -40 degrees C. several days  
+120 degrees C. Shock, short time
2. Chemical properties: Resistance against watery and more concentrated solutions of anorganic Salts and almost all anorganic acids and alkaline. Non-Resistant against oxidising substances and certain solvents.



3. Electrical properties: Surface resistance greater than 10 Ohm. Sheets are largely anti-static. Anti- static additives can be mixed into the raw material.
4. Impact properties: No specific tests have been carried out on Ockwells ArmaShield for impact properties. We recommend that the client or end user determines the appropriate thickness and density of protection board by assessing the specific application and site conditions the protection board is to be used for. ArmaShield protection board has been developed as a “protection board” for the building, construction and marine industries.
5. Physiological properties: Practically odourless and tasteless. Physiologically unobjectionable from a FDA point of view.
6. Water intake: Maximum 0.2% through surface adsorption.
7. The technical data of this specification are merely indicative and reflect the properties of the sheet at the time of testing.
8. Because of further development of the raw material and the production process changes are possible we reserve the rights make changes to the product without notice.
9. The description of the technical data and the composition of the product are merely for your information.
10. We accept no responsibility for the completeness of the data and do not accept any claims regarding the properties described.
11. The periods indicated regarding the thermal properties are indicative and have derived from practical use of the product over many years and are general comments from the manufacturers.
12. The environment in which the product is used may have a great effect on and may change these properties. The indicated properties relate to long term thermal impact deformation. The mechanical properties of the product change with the climatological conditions.
13. Any excess moisture or spills must be immediately cleaned and dried up.

*Ockwells ArmaShield is unofficially tested to British Standard 476: Part 12:1991 at point of manufacture, where the last few tests have passed. However, Part 12 only forms one section of a larger testing process required for certification to be awarded. Due to the construction of the ArmaShield, there are certain aspects of the larger suite of tests that this product cannot pass. Therefore, making certification near impossible to achieve. This is a common downside to any honeycomb construction.*

*The product does contain the recognised level of flame retardant additive and should retard/extinguish flame, as Part 12 tests have confirmed. However, as this is not a fully certified product, there is no guarantee that the product will perform consistently for the duration of its use.*

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These properties are the Manufacturer's typical values based on the average of several tests. As the installation and handling of this product is beyond our control, the user must ensure that the product is suitable for the application. Ockwells cannot accept responsibility for any loss or damage that may occur either directly or indirectly by the use of this product. Ockwells also holds the right to change specification data without prior notice.