

When it comes to
temporary protection...
we've got it covered.



Technical Data Sheet

Antinox® Temporary Protection Board

INTRODUCTION:

Antinox board is an extruded board made from polypropylene granules along with additional components corresponding to the particular application.

CERTIFICATION:

Antinox board is manufactured to Quality Assurance Standard ISO9002 (Certificate 1351/97) and Environmental Standard ISO9002 (Certificate number 1351/97)

INSTALLATION:

Antinox board is very easily laid. When protecting floors ensure that all surfaces are free of dirt and grit. Lay Antinox sheets down ensuring that they are **LAI**D WITH THE PRINT SIDE UP. Using a Stanley knife Antinox is easily cut to size and fitted around obstacles. Joint the Antinox with tape from our Go-Tape range. Swiftec recommends using Grey PVC tape.

SIZES, THICKNESS AND BOARD WEIGHTS:

Antinox board is available in thicknesses from 2mm to 6mm. Weights from 250 grams per square metre to 1450 grams per square metre. Sizes up to 3 metre length x 1.5 metre width in flat sheet form or 50 metre x 1.2 metre width in roll format.

GRADES:

1. Flame Retardant

To both LPS1207 (Certificate number 375a) & Certifire (Certificate of Approval No CF685 from Warrington Fire).
Use where the protective covering should not significantly add to the fire risk.

2. Antistatic Flame Retardant

With half life < 1sec. For use on clean room, computer floor and nuclear applications where static discharge is an issue.

3. Recycled board

Containing 50% Post Industrial Waste for use where environmental issues are high on the agenda.

4. Twinclear transparent board.

Use where >90% light transmission is required.

5. Standard transparent board.

For use where dampness can cause colour transfer from the board to the finished surface for e.g. limestone or marble.

6. Ultraviolet

UV protected board for extended use outdoors.

7. Coloured boards

For colour coding e.g. corporate identity or traffic flow

TOXICITY:

Antinox Flame Retardant, antistatic and recycled board do contain additives that could be harmful, but not under normal conditions of use.

Fire retardant boards contain antimony trioxide and halogenated additives.

ANTISTATIC:

The antistatic board contains additives incorporated within the board during the extrusion process. The additives migrate to the surface a pathway for the electrical charge to go to earth. The higher the humidity in the air the better the performance. The antistatic agent gets used up and - depending on the conditions of use - its expected life is 6 months.

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RECOMMENDED SIZES:

Windows	3.0m x 1.2m
Doors	2.0m x 1.0m
General Applications	2.4m x 1.2m

CHOICE OF BOARD THICKNESS/WEIGHT:

As a general guide the thicker boards are heavy duty and the thinner boards are lighter duty, as can be seen from the crush resistance chart further below. As a guide we can say that the static load of a solid wheel forklift truck is 1000 KN/m² so use the heavy duty 6mm board whereas the static load of a person is 20KN/m² so use the 2mm board. An intermediate board e.g. 3 or 4mm can be used for occasional heavy traffic or extremely high value applications. Please note that we can make special boards extremely rapidly. So for example we could make a heavier 4mm board which has the crush resistance of a standard 6mm board at much lower cost. Consult us please to obtain the most cost effective solution.

ENVIRONMENT:

Antinox recycled board is produced using a minimum 50% Post Industrial Waste. Also in place is the **RETURN** scheme for recycling the boards after use and we are the first manufacturer of corrugated plastic board in Europe to receive the ISO14002 Environmental accreditation. Antinox board is a CFC-free product.

CARBON FOOTPRINT:

Gross energy required to produce 1kg of polypropylene is 73MJ (Equivalent to 10.88 kg CO₂) and the gross energy required to process 1kg of polypropylene into board is 3MJ (0.45 kg CO₂)

SLIP RESISTANCE:

Measured to BS7976-2:2002 (Pendulum method)

Sample	Overall average slip measurement (P T V's)
2mm dry conditions	72 (P T V's)
2mm wet condition	49 (P T V's)
4mm dry conditions	77 (P T V's)
4mm wet conditions	37 (P T V's)

In accordance with the UK Slip Resistance Group Guidelines-Issue3 : 2005, the samples submitted demonstrated a low potential for slipping incidents when tested under both wet and dry test conditions.

CRUSH RESISTANCE:

2mm/250 gsm	300 kN/m ²
3mm/450 gsm	700 kN/m ²
4mm/650 gsm	1000 kN/m ²
6mm/1450 gsm	2000 kN/m ²

STIFFNESS/FLEXIBILITY:

Measured to BS7424:1991 by three point bending along the flute

2mm/350 gsm	200mNm
4mm/650 gsm	2200mNm
6mm/1450 gsm	7500mNm

MORE INFORMATION:

Please contact Swiftec on 0800 074 0004 for any further guidance on the use and application of Antinox board. The information contained above is correct to the best of our knowledge. Users should establish for themselves that the material performs satisfactorily for their requirement. Quoted test results cannot be used as specification limits but are typical test values intended for guidance. We accept no liability for any damage. Injury or loss resulting from this information

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