

Technical Information and User Guide

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 ISO9001 (Certificate 1205) and Environmental Standard ISO14001 (Certificate number 1205-EMS)

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. Antinox® is easily cut to size and fitted around obstacles using a sharp knife. Join the Antinox® with Antinox® STRONG (48mm wide) or STRONG & WIDE (72mm wide) 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 1205d/01) & 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 a minimum of 50% Post Industrial Waste for use where environmental issues are high on the agenda.

4. Standard transparent board.

Used widely on windows/curtain walling where light transmission is crucial

5. Ultraviolet

UV protected board for extended use outdoors.

6. Coloured boards

For colour coding e.g. corporate identity.

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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These properties are the manufacturer's typical values based on the average of several tests. As the installation and handling of this product are beyond our control, the user must ensure that the product is suitable for the application. Swiftec Group cannot accept responsibility for any loss or damage that may occur either directly or indirectly by the use of this product. Swiftec Group also hold the right to change specification data with out prior notice. E & OE.

RECOMMENDED SIZES:

Curtain Walling	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 a much lower cost. Consult us please to obtain the most cost effective solution.

Availability:

Antinox® is regarded as the brand leading protection board and is available from the nations DIY & merchant chain. Please contact us for your nearest stockist.

Warnings and Disclaimers:

Due to the innumerable conditions on the renovation/building site Antinox® can not be held responsible for any damage caused by its use and we always recommend you use wisdom when considering which protection to use. Antinox® must never be used where there is any hint of moisture present, i.e. New wood floors, new screeded floors, new marble floors etc and underfloor heating has been known to create a sweating which should be avoided at all costs. Any dampness/sweating which gets trapped between the Antinox® board and the floor can cause discolouration cracking or cupping (wood floors) Swiftec Group offer a fully breathable/water resistant product which can be used in these situations. Visit www.buffalo-board.com

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 conditions	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:

Measure 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 01358 720 888 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.