TRIAPRINT®

Easy Reference Guide 2024

EMPOWERING VISUAL EMOTIONS

antalis™

THE SUSTAINABLE, CELL-STRUCTURED PLASTIC FOR VISUAL COMMUNICATIONS

Triaprint®

WHAT IS TRIAPRINT?

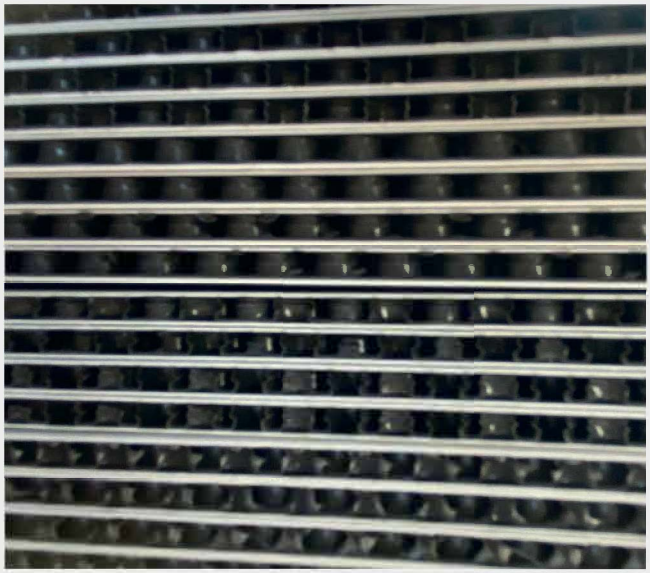
The cell-structured core of Triaprint gives the sheet excellent rigidity and impact strength compared to fluted polypropylene (PP) sheets, PVC and soft foam boards, whilst retaining its low weight. Smooth, corona treated, bright white polypropylene layers either side offer the perfect print surface to match alternative materials.

Sometimes referred to as 'bubble board', Triaprint has a tri-extrusion open cell core with solid polypropylene liners applied either side. Antalis now offers Triaprint sheets with either a white internal core or alternatively a black recycled option. Additionally, you can choose from UV (for extended outdoor use) or fire rated (FR) grades.

Polypropylene can offer environmental advantages over certain other plastics used in visual communication. So why is polypropylene a good sustainable choice against the use of other similar thin gauge plastics such as polyvinyl chloride (PVC) and polystyrene for example?

The nature of polypropylene, coupled with responsible and certificated manufacturing practices result in polypropylene being one of the more sustainable plastics for the Visual Communications sector. Granules (or pellets) of polypropylene are formed and used in the extrusion of polypropylene sheets. Polypropylene is free from additives often used in the manufacture of plastics such as PVC. Additives used to give PVC certain important characteristics are inherently achieved in polypropylene extrusion without the need for these potentially harmful additions.

Triaprint® Premium White



Triaprint® R Black Recycled Core

TRIAPRINT ENVIRONMENTAL FEATURES AND BENEFITS

GREEN STAR SYSTEM®

- Chemically inert: Triaprint will not react badly with other substances that could cause environmental or health risk
- Halogen (chlorine) free: Toxic in high concentration, chlorine is know to harm wildlife, plants and human health
- Phthalate (plasticiser) free
- Can be burnt without risk of toxic emissions: Unlike materials such as PVC that produce dioxins when burnt
- Is up to 35% lighter than PVC: Triaprint uses 35% less raw material in manufacturing the equivalent number of PVC sheets. This also makes Triaprint more economical and environmental to transport
- Highly durable and tear resistant
- 100% recyclable: Recycled PP is a valuable waste stream resource with many reuse options
- Is recyclable many times over, without any loss of strength
- Triaprint R Black Recycled Core is made using genuine post-industrial waste generated from a combination of IPB die-cut and returned polypropylene packaging waste

ADDITIONAL TRIAPRINT FEATURES AND BENEFITS

- Good rupture and tear resistance
- Economic
- Smooth top and bottom layer
- Easily printable
- Strong and durable
- Water and moisture resistant
- Good chemical resistance
- High compression strength
- Lightweight
- High rigidity
- Corona treated

APPLICATIONS

In the Visual Communications sector, Triaprint can be used for many applications including:

- Point-of-sale and display
- Signage
- Exhibition panels
- Packaging

FIRE RATING

- Triaprint FR achieves the European fire standard EN 13501-1:2007+A1:2009 B – s1 – d0. This is better than any Foam PVC

UV

The addition of UV additives increases the life span of Triaprint sheets. Triaprint with UV protection additives is believed to withstand a total solar energy attack of approximately 400kLy. Depending on the yearly average solar energy by location, the tensile strength will decrease no more than 50% over 2 – 4 years.

Average solar energy per country kLy (kilo Langley)	
Sweden / Norway	80
United Kingdom / Netherlands	**90**
France	140
Spain	160
Australia	180

PROCESSING

PRINTING

Triaprint is corona treated to raise surface energy >40 dynes/cm for printing. Compatible with UV digital, screenprint and latex print technologies.

FINISHING

Triaprint can be guillotined, die-cut, welded (hot air) and bonded.

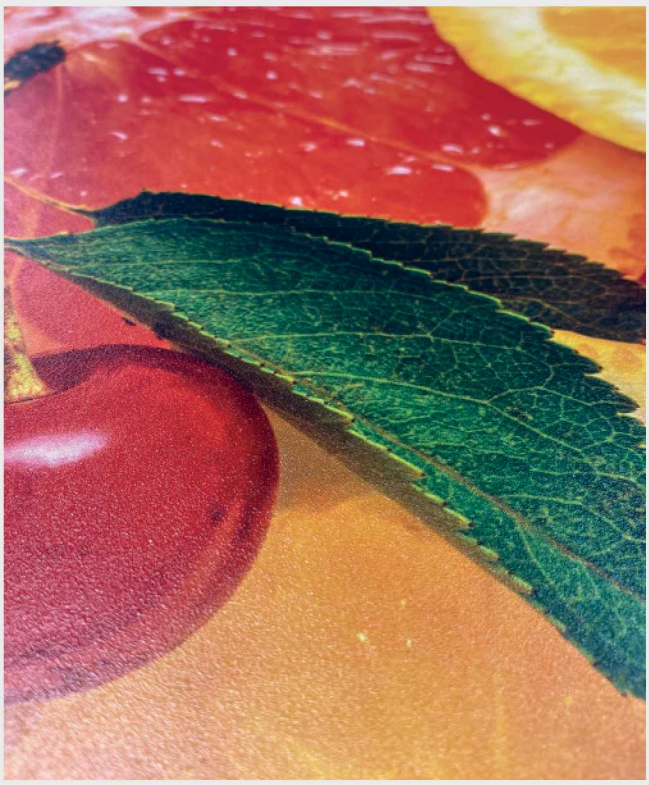
ADDITIONAL PRODUCTS

Additional Triaprint products can be produced with low minimum order quantities. These include:

- Bespoke sizes
- Widths up to 2,050mm
- One of twelve standard colours

Natural	Yellow 01 RAL 1016	Yellow 04 RAL 1003	Orange 01 RAL 2003	Red 01 RAL 3020	Green 01 RAL 6024
Blue 02 RAL 6006	Blue 01 RAL 6012	Black 01 RAL 9011	Grey 01 RAL 7024	Grey 02 RAL 9101	White 01 RAL 9010

TRIAPRINT®



order online at antalis.co.uk or antalis.ie

TRIAPRINT® RANGE

TRIAPRINT® PREMIUM

DIN 4102 - B1

GREEN STAR SYSTEM®

Triaprint® Premium

The cell-structured core assures excellent rigidity and compression strength for a extremely lightweight sheet. Triaprint has been designed to replace other less sustainable foam PVC and soft foam boards. UV outdoor boards with extended durability, as well as fire rated options achieving robust B1 standards are also available. All sheets are corona treated as standard for UV printing.

ITEM NUMBER	DESCRIPTION	DIMENSIONS	MOQ
629806	Triaprint Premium White 02 - UV	1220 x 2440mm 3.4mm 900gsm	5
629807	Triaprint Premium White 02 - UV	1500 x 3050mm 3.4mm 900gsm	5
629808	Triaprint Premium White 02 - UV	1220 x 2440mm 5.7mm 1600gsm	5
629809	Triaprint Premium White 02 - UV	1500 x 3050mm 5.7mm 1600gsm	5

TRIAPRINT® R BLACK CORE

GREEN STAR SYSTEM®

Triaprint® R Black Recycled Core

Triaprint R Black Recycled Core is made using genuine post-industrial waste generated from a combination of IPB die-cut and returned polypropylene packaging waste.

ITEM NUMBER	DESCRIPTION	DIMENSIONS	MOQ
659620	Triaprint R Black Recycled Core - UV	1220 x 2440mm 3.4mm 900gsm	5
659621	Triaprint R Black Recycled Core - UV	1500 x 3050mm 3.4mm 900gsm	5
659622	Triaprint R Black Recycled Core - UV	1220 x 2440mm 5.6mm 1500gsm	5
659623	Triaprint R Black Recycled Core - UV	1500 x 3050mm 5.6mm 1500gsm	5

To compliment the Triaprint range, we also offer ex-mill* access to an extended range including:

- Thickness from 2.7 to 10mm
- Up to 2050 x 3050mm sheet size
- Bespoke sizes
- Triaprint colours with 12 standard options
- Colour matching to specified RAL or Pantone colours
- Coloured core option with 10 tonne minimum order

* Minimum purchases apply

COALA®

For printers without access to UV flatbed technology, Antalis offers Coala® PP Stick HT as a matched roll-fed product for application to Triaprint, and other rigid polypropylene products in our range. Maintain the eco-credentials and recyclability of your application with this matched system.

NOTES

Our Branches

PRINT
Anglia
Tel: 0370 607 3103
email: anglia@antalis.co.uk

Midlands
Tel: 0370 607 3106
email: midlands@antalis.co.uk

North West
Tel: 0370 607 3112
email: northwest@antalis.co.uk

Northern Ireland
Tel: 02890 847 700
email: belfastsales@antalis.co.uk

Scotland
Tel: 0370 607 3108
email: scotland@antalis.co.uk

South East
Tel: 0370 607 3143
email: southeast@antalis.co.uk

South West
Tel: 0370 607 3110
email: southwest@antalis.co.uk

West
Tel: 0370 607 3102
email: west@antalis.co.uk

Yorkshire
Tel: 0370 607 3107
email: yorkshire@antalis.co.uk

REPUBLIC OF IRELAND
Tel: 01 876 3188
email: dublin@antalis.ie

OFFICE
Dealer
Tel: 0370 607 3132
email: dealer@antalis.co.uk

Key Accounts
Tel: 01530 517 200
email: keyaccounts@antalis.co.uk

VISUAL COMMUNICATIONS
Tel: 01925 868 650
email: vc@antalis.co.uk

PACKAGING
North
Tel: 0370 241 1449
email: wrteam@antalis.co.uk

Midlands & South
Tel: 0370 241 1444
email: pkteam@antalis.co.uk

ANTALIS PAPER MANAGED SOLUTIONS
Tel: 03444 060 895
email: apms@antalis.co.uk

PAPER DESK FOR DESIGNERS
Tel: 0370 600 4400
email: paperdesk@antalis.co.uk

Antalis
AntalisUK
@Antalis_UK
AntalisUK

Antalis Limited
Interlink Way West,
Coalville,
Leicestershire LE67 1LE
Tel: 0370 607 9014
contact@antalis.co.uk
antalis.co.uk
antalis.ie

EMPOWERING VISUAL EMOTIONS

Images shown are for illustrative purposes only and may not be a reflection of the product. Item codes and descriptions are correct at the time of print. We reserve the right to change product specifications. For the most accurate information please contact your local representative.

Issue 2, April 2026

antalis