SURYA VINYL PVT.LTD.

EDITION 2026

DIGITAL PRODUCT CATALOGUE

Engineering Quality. Manufacturing Reliability.

PVC RIGID FILMS & SHEETS ›

COOLING TOWER FILL MEDIA ›

OPEN CONTENTS ›

10 products · 2 divisions · **www.suryavinyl.com**



Illustrative image

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ABOUT
SURYA VINYL PVT. LTD.

Surya Vinyl Pvt. Ltd. manufactures **PVC rigid films and sheets** for the pharmaceutical and non-pharmaceutical packaging industries, alongside specialised **cooling tower fill media** for industrial applications.

Established in **2006** with a German-imported calendaring line, the company has grown through continuous investment in technology, manufacturing capabilities and people. Today it operates three calendaring lines with manufacturing facilities in **Baddi and Nalagarh, Himachal Pradesh**, serving customers across India and international markets, including Europe.

2006	3	2	10
Year Established	Calendaring Lines	Manufacturing Facilities	Products in 2 Divisions

MANUFACTURING INFRASTRUCTURE

- Three calendaring lines for rigid PVC film
- German-imported Kleinweffer calendaring machinery
- Planetary extrusion systems
- Automated cooling tower fill manufacturing lines

PVC FILMS › | FILL MEDIA › | CONTACT ›



Illustrative image

PVC RIGID FILMS & SHEETS

Calendered on German-engineered Kleinweffer lines fed by planetary extrusion, our rigid PVC films are developed for material consistency, precision and performance in pharmaceutical and industrial packaging. All four grades share our standard micron range and colour palette, with customised microns and colours developed on request.

PRODUCTS IN THIS DIVISION

PVC-PH – Pharmaceutical Grade PVC Blister Films ›

PVC-NP – Non-Pharmaceutical Grade PVC Blister Films ›

PVC-MT – Metallised PVC Blister Films ›

PVC-PL – Pearlised PVC Blister Films ›

STANDARD PVC MICRON (µm)

200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700

Custom micron on request.

COLOUR AVAILABILITY

Glass Clear · Amber · Blue · Green · Yellow · Orange · Peach · Red · White Opaque · Pearlised Opaque



Illustrative image

PHARMA-GRADE FILM.
PROTECTION YOU CAN TRUST.

Pharmaceutical Grade PVC Blister Films

Calendered on German-engineered Kleinweffer lines fed by planetary extrusion, Surya pharma-grade PVC blister films combine high clarity, consistent gauge and excellent thermoforming, helping protect product integrity and shelf life.

KEY FEATURES

- High barrier properties against moisture, oxygen and gases
- Excellent thermoforming on blister packaging lines
- High clarity and superior surface finish
- Non-toxic, tasteless and odourless
- Coloured variants offer opacity for light-sensitive products
- Resistance to heat, UV exposure and radiation; sterilisation compatible

TYPICAL SPECIFICATIONS

Material	Calendered rigid PVC film
Grade	Pharmaceutical
Thickness	200 – 700 µm standard (50 µm steps); custom micron on request
Colours	Glass Clear, Amber, Blue, Green, Yellow, Orange, Peach, Red, White Opaque; custom colours on request
Surface finish	High-gloss, high clarity †
Roll width	Slit / jumbo widths to customer requirement (typ. 50 – 1,000 mm) †
Core ID	76 mm / 152 mm (typical) †
Density	approx. 1.35 g/cm³ (typical) †
Thickness tolerance	±5 – 7 % (typical, thickness dependent) †
Vicat softening point	approx. 74 – 80 °C (typical) †
Compliance documents	Available on request †

† Typical industry value or range, for guidance only; final specifications are confirmed with each order / available on request. Unmarked values are Surya Vinyl published data.



PVC-PH – Pharma Grade Blister Film

200–700 micron range

10 standard colours

Custom micron & colour

APPLICATIONS

- Tablets, capsules and ampoules
- Disposable syringes, needles and medical accessories
- Nasal spray and eye-liquid dispensers
- Pharmaceutical blister packaging
- Sterile medical device packaging

‹ FILMS OVERVIEW

ENQUIRE ABOUT PVC-PH ›

VERSATILE FILM.
CONSISTENT PERFORMANCE.

Non-Pharmaceutical Grade PVC Blister Films

A dependable rigid PVC film for non-pharmaceutical blister, clamshell and thermoformed packaging. Produced on the same calendaring infrastructure as our pharma films, it delivers uniform thickness, good clarity and reliable forming for efficient packaging operations.

KEY FEATURES

- Uniform thickness and consistent film quality
- Good clarity and surface finish for product visibility
- Reliable thermoforming and sealing behaviour
- Available in clear and a wide range of colours
- Reduced material wastage and improved production efficiency
- Customised microns and colours on request

TYPICAL SPECIFICATIONS

Material	Calendered rigid PVC film
Grade	Non-pharmaceutical
Thickness	200 – 700 µm standard (50 µm steps); custom micron on request
Colours	Glass Clear and coloured variants (Amber, Blue, Green, Yellow, Orange, Peach, Red, White Opaque); custom on request
Surface finish	Gloss (other finishes on request) †
Roll width	Slit / jumbo widths to customer requirement (typ. 50 – 1,000 mm) †
Core ID	76 mm / 152 mm (typical) †
Density	approx. 1.35 g/cm³ (typical) †
Thickness tolerance	±5 – 7 % (typical, thickness dependent) †
Vicat softening point	approx. 74 – 80 °C (typical) †

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PVC-NP – Non-Pharma Grade Blister Film

200–700
micron range

10
standard colours

Custom
micron & colour

APPLICATIONS

- Blister and clamshell packs for consumer goods
- Hardware, electrical and electronic components
- Toys, cosmetics and personal-care packaging
- Thermoformed trays and inserts
- Retail display packaging

‹ FILMS OVERVIEW

ENQUIRE ABOUT PVC-NP ›

METALLISED FILM. PREMIUM PROTECTION.

Metallised PVC Blister Films

Surya metallised PVC blister films carry a bright, mirror-like metallic finish that gives packs a premium look and blocks light. They suit light-sensitive formulations and high-value products while keeping the thermoforming behaviour of rigid PVC.

KEY FEATURES

- Bright, uniform metallic appearance
- High opacity for light-sensitive products
- Good thermoformability
- Premium shelf presence
- Consistent film quality for efficient packaging runs
- Thickness customised on request

TYPICAL SPECIFICATIONS

Material	Calendered rigid PVC film
Grade	Metallised
Thickness	200 – 700 µm standard (50 µm steps); custom micron on request
Colours	Silver metallic (other shades on request)
Surface finish	Mirror metallic †
Roll width	Slit / jumbo widths to customer requirement (typ. 50 – 1,000 mm) †
Core ID	76 mm / 152 mm (typical) †
Density	approx. 1.35 g/cm³ (typical) †
Thickness tolerance	±5 – 7 % (typical, thickness dependent) †
Vicat softening point	approx. 74 – 80 °C (typical) †
Metallising	Vacuum-metallised aluminium layer (typical) †

† Typical industry value or range, for guidance only; final specifications are confirmed with each order / available on request. Unmarked values are Surya Vinyl published data.



PVC-MT – Metallised Blister Film

200–700
micron range

Silver
metallic finish

Custom
micron on request

APPLICATIONS

- Pharmaceutical blister packs for light-sensitive products
- Nutraceutical and OTC packaging
- Cosmetic and personal-care packaging
- Premium and gift packaging
- Decorative thermoformed trays

‹ FILMS OVERVIEW

ENQUIRE ABOUT PVC-MT ›

PVC RIGID FILMS & SHEETS | PVC-PL

PEARLISED FILM.
ELEGANT & OPAQUE.

Pearlised PVC Blister Films

Pearlised PVC blister films add a soft, satin-pearl sheen to blister and thermoformed packs. The opaque film shields light-sensitive contents and gives packaging a premium, differentiated appearance.

KEY FEATURES

- Soft pearlescent satin appearance
- Opaque film for light-sensitive contents
- Good thermoforming behaviour
- Non-toxic, tasteless and odourless
- Premium, differentiated pack design
- Thickness customised on request

TYPICAL SPECIFICATIONS

Material	Calendered rigid PVC film
Grade	Pearlised
Thickness	200 – 700 µm standard (50 µm steps); custom micron on request
Colours	Pearlised Opaque (custom shades on request)
Surface finish	Pearlescent satin †
Roll width	Slit / jumbo widths to customer requirement (typ. 50 – 1,000 mm) †
Core ID	76 mm / 152 mm (typical) †
Density	approx. 1.35 g/cm³ (typical) †
Thickness tolerance	±5 – 7 % (typical, thickness dependent) †
Vicat softening point	approx. 74 – 80 °C (typical) †

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PVC-PL – Pearlised Blister Film

200–700
micron range

Pearl
opaque finish

Custom
micron on request

APPLICATIONS

- Pharmaceutical and nutraceutical blisters
- OTC and healthcare packaging
- Cosmetics and personal care
- Premium consumer packaging
- Thermoformed trays and inserts

‹ FILMS OVERVIEW

ENQUIRE ABOUT PVC-PL ›



Illustrative image

COOLING TOWER FILL MEDIA

Since 2018, our high-speed, fully automated line, set up with engineers and technicians trained in Germany, has produced PVC fill media for industrial cooling and water treatment. Continuous forming, double edge folding, uniform thickness and longer lengths are built into every sheet.

PRODUCTS IN THIS DIVISION

- **CT-12** – Surya CT-12 Film Fill Media ›
- **CT-19** – Surya CT-19 Film Fill Media ›
- **OFFSET** – Surya Offset Flute Fill ›
- **VERTICAL** – Surya Vertical Flute Fill ›
- **D-15 S** – Surya D-15 S Type Drift Eliminator ›
- **FB-27** – Surya FB-27 Biodeck Media ›

COMPARE ALL FILLS IN THE SELECTOR ›

COOLING TOWER FILL MEDIA | CT-12

CT-12 FILM FILL.
MAXIMUM SURFACE.

Surya CT-12 Film Fill Media

CT-12 is a high-density, cross-corrugated PVC film fill with a 12 mm flute. Its large exchange surface of 245 m^2/m^3 maximises air–water contact for high thermal performance where circulating water is clean.

KEY FEATURES

- 12 mm flute height with 245 m^2/m^3 exchange surface
- Continuous forming prevents thinning at crests and troughs
- Double edge folding for strength against water loads
- Uniform thickness across the fill surface
- Engineered microstructure for heat transfer
- Longer lengths reduce support beams

TYPICAL SPECIFICATIONS

Product	PVC film fill
Type	CT-12
Material	Rigid PVC
Colour	Black
Length	1200 mm
Width	300 mm
Sheet thickness	0.20 mm
Flute height	12 mm
Field of application	Cross flow
Surface exchange	245 m^2/m^3
Max. operating temperature	55 °C
Recommended water quality	Clean water, TSS up to approx. 20 ppm (typical guide) †

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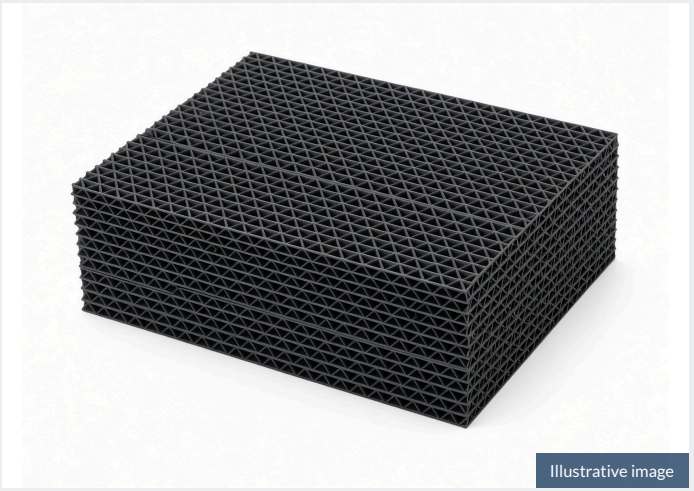

CT-12 – CT-12 Film Fill

12 mm
flute size

245 m^2/m^3
surface area

55 °C
max temperature

APPLICATIONS

- HVAC and commercial cooling towers
- Light industrial process cooling
- Packaged and factory-assembled towers
- Systems with clean, well-treated circulating water

‹ FILLS OVERVIEW

ENQUIRE ABOUT CT-12 ›

COOLING TOWER FILL MEDIA | CT-19

CT-19 FILM FILL.
INDUSTRIAL WORKHORSE.

Surya CT-19 Film Fill Media

CT-19 uses a 19 mm cross-corrugated flute to balance thermal efficiency with fouling tolerance. With 145 m²/m³ exchange surface and a 0.25 mm sheet, it suits a wide range of industrial process cooling duties.

KEY FEATURES

- 19 mm flute for a balance of efficiency and fouling tolerance
- 145 m²/m³ surface exchange
- 0.25 mm sheet with double edge folding
- Continuous forming for uniform thickness
- Engineered microstructure for heat transfer
- Longer lengths reduce support structure

TYPICAL SPECIFICATIONS

Product	PVC film fill
Type	CT-19
Material	Rigid PVC
Colour	Black
Length	1200 mm
Width	300 mm
Sheet thickness	0.25 mm
Flute height	19 mm
Field of application	Cross flow
Surface exchange	145 m²/m³
Max. operating temperature	55 °C
Recommended water quality	TSS up to approx. 80 ppm (typical guide) †

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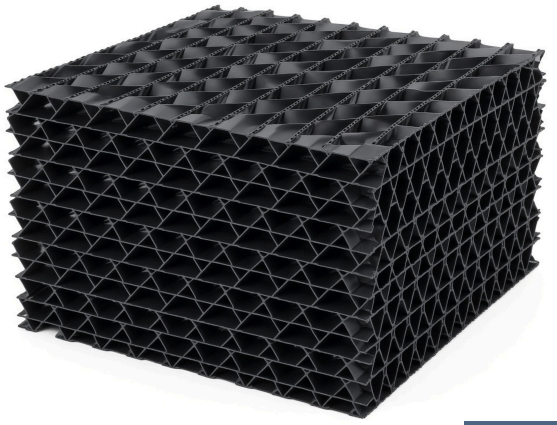

Illustrative image

CT-19 – CT-19 Film Fill

19 mm
flute size

145m²/m³
surface area

55 °C
max temperature

APPLICATIONS

- Power plant and captive power cooling towers
- Petrochemical, refinery and chemical process cooling
- Steel and manufacturing process water
- Industrial towers with moderate water quality

‹ FILLS OVERVIEW

ENQUIRE ABOUT CT-19 ›

COOLING TOWER FILL MEDIA | OFFSET

OFFSET FLUTE FILL.
BALANCED PERFORMANCE.

Surya Offset Flute Fill

Surya Offset flute fill is made from virgin PVC sheets with a 20 mm flute, assembled into 1830 × 500 × 500 mm blocks. The offset flute geometry spreads water evenly and resists clogging better than tightly cross-fluted media, while keeping a wetted surface above 150 m^2/m^3.

KEY FEATURES

- Virgin PVC, 0.30 mm sheet thickness
- Wetted surface area above 150 m^2/m^3
- 20 mm single-sheet flute, 40 mm opening in block
- Supplied as ready fill blocks of 25 sheets
- Lightweight: 21 kg/m^3 ±5%
- Better fouling tolerance than fine cross-fluted fills

TYPICAL SPECIFICATIONS

Type	Offset flute
Sheet size	1830 × 500 mm
Sheet thickness	0.30 mm
Fill material	PVC virgin
Wetted surface area	> 150 m^2/m^3
Fill block module size	1830 × 500 × 500 mm
Sheets per block module	25 nos.
Weight	21 kg/m^3 ±5%
Single sheet flute size	20 mm
Opening size in block	40 mm
Max. water temperature	55 °C
Recommended water quality	TSS up to approx. 150 ppm (typical guide) †

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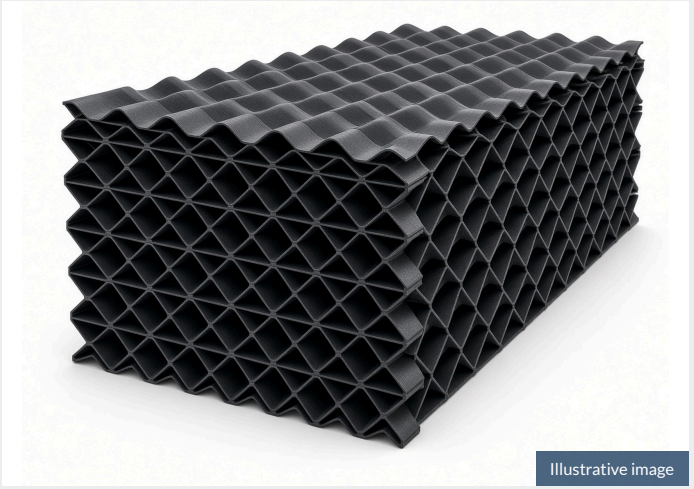


OFFSET – Offset Flute Fill

20 mm
flute size

>150m²/m³
surface area

55 °C
max temperature

APPLICATIONS

- Industrial process cooling towers
- Power and utility cooling
- Towers with moderate suspended solids
- Fill replacement and retrofit projects

‹ FILLS OVERVIEW

ENQUIRE ABOUT OFFSET ›

COOLING TOWER FILL MEDIA | VERTICAL

VERTICAL FLUTE FILL.
BUILT FOR TOUGH WATER.

Surya Vertical Flute Fill

With straight vertical flutes and no sheet-to-sheet crossing points in the water path, Surya Vertical fill gives suspended solids and biological growth little place to settle. It is the choice for towers handling poorer-quality water, alone or beneath a cross-fluted top layer.

KEY FEATURES

- Straight vertical flutes for low fouling
- Virgin PVC, 0.30 mm sheet thickness
- Wetted surface area above 150 m^2/m^3
- 20 mm flute, 40 mm opening in block
- Blocks of 1998 × 500 × 500 mm, 25 sheets
- Can be combined with a cross-fluted top layer

TYPICAL SPECIFICATIONS

Type	Vertical
Sheet size	1998 × 500 mm
Sheet thickness	0.30 mm
Fill material	PVC virgin
Wetted surface area	> 150 m^2/m^3
Fill block module size	1998 × 500 × 500 mm
Sheets per block module	25 nos.
Weight	23 kg/m^3 ±5%
Single sheet flute size	20 mm
Opening size in block	40 mm
Max. water temperature	55 °C
Recommended water quality	TSS up to approx. 200 ppm (typical guide) †

† Typical industry value or range, for guidance only; final specifications are confirmed with each order / available on request. Unmarked values are Surya Vinyl published data.



VERTICAL – Vertical Flute Fill

20 mm flute size

>150m²/m³ surface area

55 °C max temperature

APPLICATIONS

- Steel plants and heavy industry
- Pulp & paper, sugar and fertiliser plants
- Towers with high suspended solids
- Raw or poorly treated make-up water

‹ FILLS OVERVIEW

ENQUIRE ABOUT VERTICAL ›

D-15 DRIFT ELIMINATOR.
LESS LOSS. LOW DRAG.

Surya D-15 S Type Drift Eliminator

The D-15 S Type is a cellular PVC drift eliminator that captures water droplets from the exhaust air, cutting drift loss to 0.001% of total circulating water with a very low pressure drop. It withstands temperatures up to 55 °C and suits small and medium counterflow and crossflow cooling towers.

KEY FEATURES

- Cellular design: drift loss of 0.001% of circulating water
- Very low pressure drop (drag coefficient 2.2)
- Handles face velocities up to 4.5 m/s
- Withstands temperatures up to 55 °C
- Shipped as nested sheets and glued at site into blocks
- Low transportation cost

TYPICAL SPECIFICATIONS

Type	Cellular drift eliminator, D-15 S
Material (MOC)	PVC
Max. face velocity	4.5 m/s
Drag coefficient	2.2
Distance between supports	Max. 600 mm
Width of support	10 mm
Drift loss	0.001% of total circulating water
Max. operating temperature	55 °C
Tower type	Small & medium counterflow and crossflow
Supply form	Nested sheets, glued at site into blocks
Pack depth / block size	Available on request †

† Typical industry value or range, for guidance only; final specifications are confirmed with each order / available on request. Unmarked values are Surya Vinyl published data.

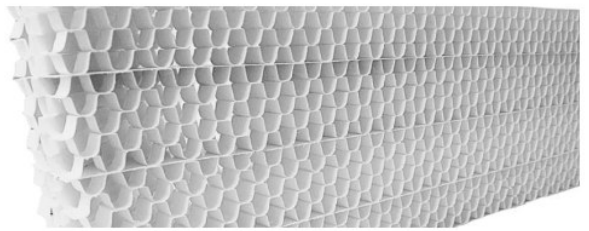


Image: Surya Vinyl

D-15 S – D-15 S Type Drift Eliminator

0.001% drift loss

4.5 m/s max face velocity

55 °C max temperature

APPLICATIONS

- Small and medium counterflow cooling towers
- Small and medium crossflow cooling towers
- Reducing water and treatment-chemical loss
- Drift eliminator replacement and retrofits

‹ FILLS OVERVIEW

ENQUIRE ABOUT D-15 S ›

COOLING TOWER FILL MEDIA | FB-27

FB-27 BIODECK.
LOW FOULING. HEAVY DUTY.

Surya FB-27 Biodeck Media

FB-27 is a high-efficiency, cross-corrugated angular-flute PVC media with a 27 mm flute and extremely low fouling potential. Built from UV-protected PVC formulated for cooling tower use, its glue-fitted sheets form a strong staggered honeycomb, suited to heavy industrial cooling and environmental water treatment.

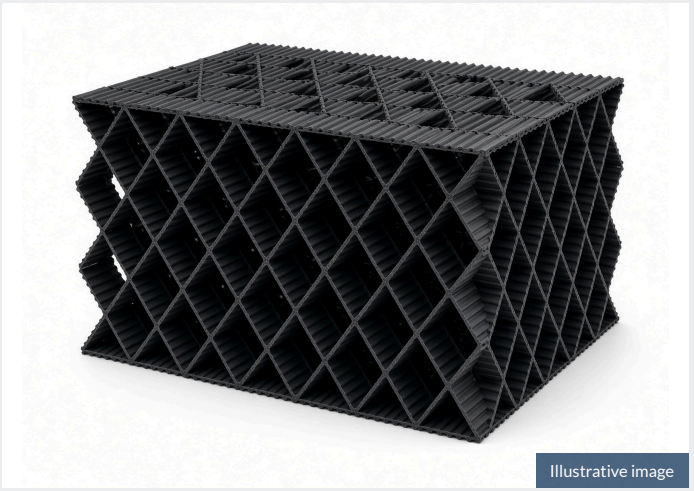
KEY FEATURES

- 27 mm angular flute with extremely low fouling potential
- UV-protected PVC in compliance with CTI STD 136 (2010)
- Glue-fitted sheets form a structurally sound honeycomb
- Engineered surface microstructure improves heat transfer
- Continuous operation at 55 °C or less
- 0.30 mm sheet, 1200 × 600 mm

TYPICAL SPECIFICATIONS

Product	PVC film fill / biodeck media
Type	FB-27 Biodeck
Material	Rigid PVC (UV protected)
Colour	Black
Length	1200 mm
Width	600 mm
Sheet thickness	0.30 mm
Flute height	27 mm
Field of application	Cross flow (per data sheet)
Surface exchange	115 m^2/m^3
Max. operating temperature	55 °C
Recommended water quality	TSS up to approx. 150 – 200 ppm (typical guide) †

† Typical industry value or range, for guidance only; final specifications are confirmed with each order / available on request. Unmarked values are Surya Vinyl published data.



Illustrative image

FB-27 – FB-27 Biodeck

27 mm	115 m^2/m^3	55 °C
flute size	surface area	max temperature

APPLICATIONS

- Heavy industrial counterflow induced-draft towers
- Natural-draft cooling towers
- Environmental water treatment: trickling filters & bio-towers
- Raw / high-solids water applications

‹ FILLS OVERVIEW

ENQUIRE ABOUT FB-27 ›

FILL MEDIA SELECTOR

PARAMETER	CT-12 ›	CT-19 ›	OFFSET ›	VERTICAL ›	FB-27 ›
Flute size	12 mm	19 mm	20 mm	20 mm	27 mm
Sheet size	1200×300 mm	1200×300 mm	1830×500 mm	1998×500 mm	1200×600 mm
Sheet thickness	0.20 mm	0.25 mm	0.30 mm	0.30 mm	0.30 mm
Surface area	245 m^2/m^3	145 m^2/m^3	>150 m^2/m^3	>150 m^2/m^3	115 m^2/m^3
Block module	—	—	1830×500×500	1998×500×500	—
Weight	—	—	21 kg/m^3 ±5%	23 kg/m^3 ±5%	—
Max. temperature	55 °C	55 °C	55 °C	55 °C	55 °C
Water quality †	TSS ≤ ~20 ppm	TSS ≤ ~80 ppm	TSS ≤ ~150 ppm	TSS ≤ ~200 ppm	TSS ≤ ~150–200 ppm
Typical duty †	HVAC / clean water	Power & process	Process, moderate solids	Steel, paper, high solids	Heavy industry, water treatment

† Typical industry guidance only; final selection depends on tower design, water chemistry and duty. Our team will confirm the right fill for your project.

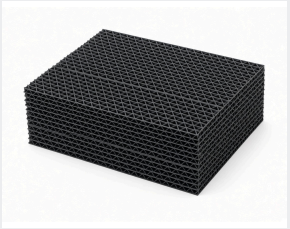
QUICK SELECTION GUIDE

Cleanest water, maximum efficiency	CT-12 ›
General industrial duty	CT-19 ›
Moderate fouling, block installation	Offset ›
Dirty / high-solids water	Vertical ›
Heavy-duty & biological treatment	FB-27 Biodeck ›
Reduce drift loss	D-15 S Type ›

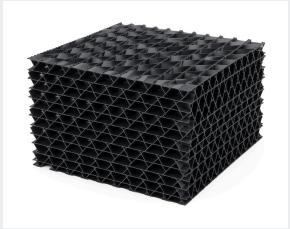
D-15 S TYPE Drift Eliminator

Drift loss 0.001% of circulating water · max face velocity 4.5 m/s · drag coefficient 2.2 · supports max. 600 mm apart, 10 mm wide · up to 55 °C

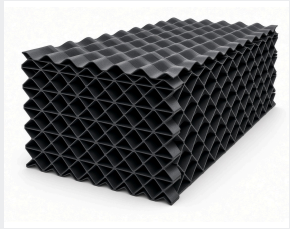
VIEW D-15 ›



CT-12 ›



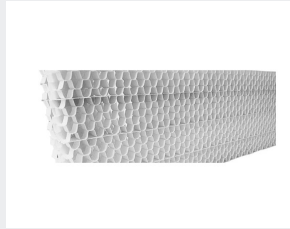
CT-19 ›



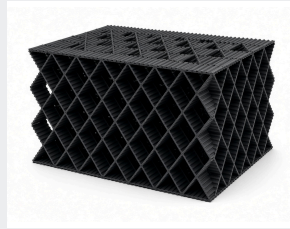
OFFSET ›



VERTICAL ›



D-15 S ›



FB-27 ›

LET'S BUILD A STRONGER PARTNERSHIP

Whether you are looking for pharmaceutical packaging films or specialised cooling tower fill media, our team is ready to understand your requirements. Include your product, thickness or size, colour or water quality, and quantity for a fast quotation.

INCLUDE IN YOUR ENQUIRY

- Name and company name
- Email address and contact number
- Product of interest
- Films: thickness (µm), colour, roll width, quantity
- Fill media: tower type, water quality, dimensions, quantity

Pharma Grade | Non-Pharma Grade | Metallised | Pearlised | CT-12 | CT-19 | OFFSET | VERTICAL | D-15 S | FB-27

SURYA VINYL PVT.LTD.

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EMAIL AN ENQUIRY ›

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