SURYA VINYL PVT.LTD.

EXPERT MANUFACTURERS OF
RIGID PVC FILMS &

COOLING TOWER FILL

Engineering Quality. Manufacturing Reliability.



Illustrative image

COMPANY PROFILE

Baddi & Nalagarh, Himachal Pradesh, India

www.suryavinyl.com

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ABOUT
SURYA VINYL PVT. LTD.

Surya Vinyl Pvt. Ltd. is a leading manufacturer of **PVC rigid films and sheets**, serving 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 steadily evolved into a diversified manufacturing enterprise, built on technological advancement, engineering expertise and an unwavering commitment to quality.

Today, with **three calendaring lines** dedicated to rigid PVC film production and manufacturing facilities in **Baddi and Nalagarh, Himachal Pradesh**, we offer an extensive portfolio engineered for diverse industries, serving customers across India and international markets, including Europe.

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

RAJEEV JAIN
Founder / Director

The visionary behind Surya Vinyl, instrumental in building the company's manufacturing foundation and guiding its growth.

KANISHK JAIN
Director

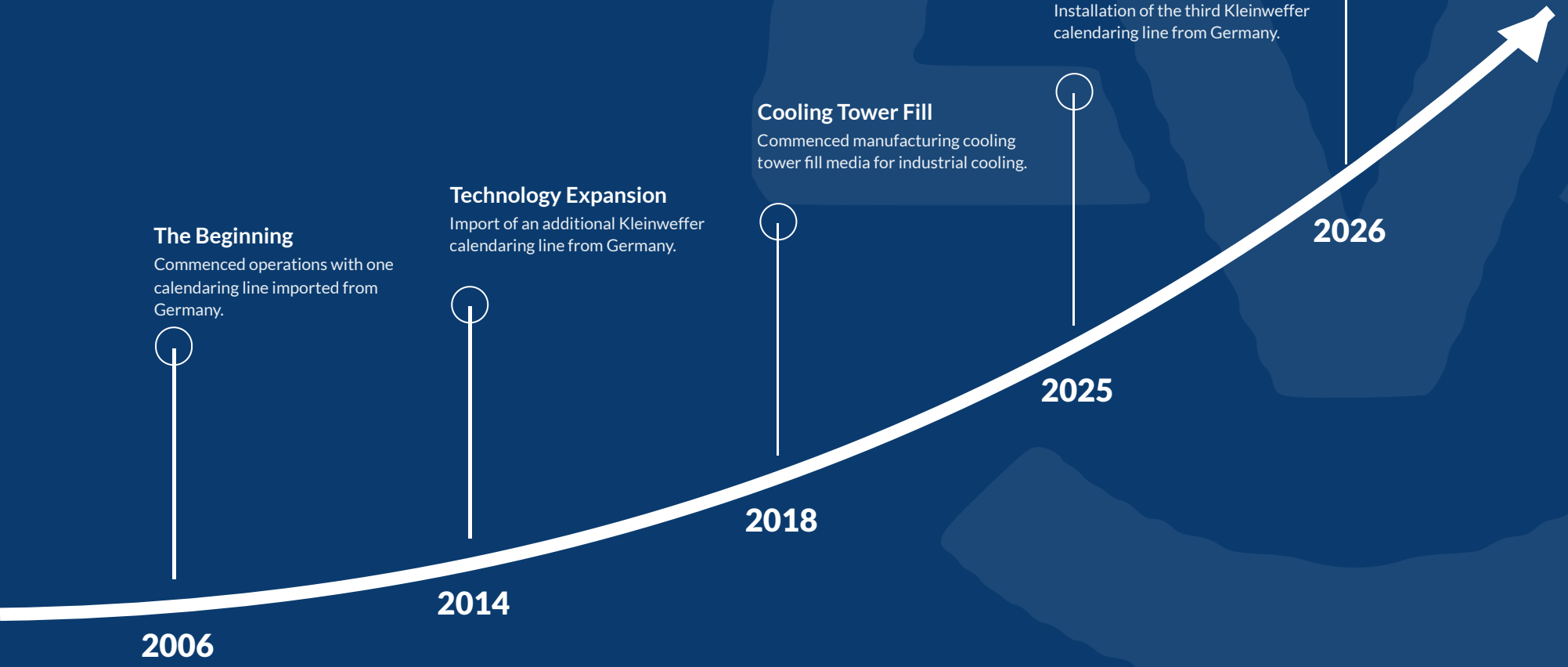
Representing the next generation of leadership, with a forward-looking approach to growth, development and expansion.



Illustrative image

OUR JOURNEY TO EXCELLENCE

Since 2006, Surya Vinyl has grown from a focused rigid PVC film operation into a diversified manufacturer serving packaging, industrial cooling and wastewater treatment, shaped by continuous investment in technology, manufacturing capabilities and people.

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TECHNOLOGY & MANUFACTURING EXCELLENCE

Our manufacturing infrastructure combines advanced **planetary extrusion technology** with **German-engineered Kleinweffer calendaring lines**, a proven combination for producing high-quality calendered PVC films.

The same controlled extrusion and calendaring process produces rigid PVC sheet from carefully selected compounds for cooling tower and wastewater applications, giving our fill media uniform thickness and consistent material quality.

BADDI
Himachal Pradesh · since 2006

NALAGARH
Himachal Pradesh · 2026

OUR MANUFACTURING INFRASTRUCTURE

Surya Vinyl continues to strengthen its capabilities through investment in specialised machinery and production technology. Our infrastructure includes:

- Three calendaring lines for rigid PVC film production
- German-imported Kleinweffer calendaring machinery
- Planetary extrusion systems
- Automated, high-speed cooling tower fill lines
- Facilities in Baddi and Nalagarh, Himachal Pradesh

PVC RIGID FILMS & SHEETS

Precision Manufacturing. Uncompromising Quality.

Beginning with a **Kleinweffer calendaring line imported from Germany**, Surya Vinyl has steadily expanded its capabilities to manufacture high-quality rigid PVC films and sheets for pharmaceutical, non-pharmaceutical and industrial applications.

With a focus on material consistency, precision and performance, our films are developed to meet the demanding requirements of pharmaceutical packaging and industrial applications.

Standard PVC Micron (µm)

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

Film micron can be customised as per request.

Colour Availability

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

Customised colours can be developed upon request. Swatches are indicative.

Key Benefits

- Maintains product integrity and shelf life
- Safer storage and transportation
- Consistent film quality
- Reduced wastage, better efficiency
- Compatible with applicable sterilisation requirements



Illustrative image

PRODUCT RANGE

PVC Rigid Films & Sheets – Engineered for Packaging

Our pharmaceutical-grade films offer high barrier properties against moisture, oxygen and gases, excellent thermoforming, high clarity and superior surface finish. They are non-toxic, tasteless and odourless, with coloured variants offering opacity for light-sensitive products.

Product Categories

Pharmaceutical Grade PVC Blister Films – Primary packaging for tablets, capsules & medical devices. Used for tablets, capsules and ampoules, disposable syringes, needles and medical accessories, nasal spray and eye-liquid dispensers.

Non-Pharmaceutical Grade PVC Blister Films – Clear and coloured films for general blister & thermoformed packaging. Used for blister and clamshell packs for consumer goods, hardware, electrical and electronic components, toys, cosmetics and personal-care packaging.

Metallised PVC Blister Films – Premium reflective film with high opacity. Used for pharmaceutical blister packs for light-sensitive products, nutraceutical and otc packaging, cosmetic and personal-care packaging.

Pearlised PVC Blister Films – Elegant pearlescent opaque film. Used for pharmaceutical and nutraceutical blisters, otc and healthcare packaging, cosmetics and personal care.

TYPICAL FILM DATA

Material	Calendered rigid PVC
Standard thickness	200 – 700 µm; custom on request
Colours	10 standard shades + custom
Roll width	To requirement (typ. 50 – 1,000 mm) †
Core ID	76 / 152 mm (typical) †
Density	approx. 1.35 g/cm^3 †
Vicat softening point	approx. 74 – 80 °C †

Industrial PVC Sheets

Rigid PVC sheets made from carefully selected compounds for cooling towers and wastewater treatment, on the same German-engineered line.

† 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.



Pharmaceutical Grade
PVC Blister Films



Clear & Coloured
Non-Pharma Films



Metallised & Pearlised
Blister Films

Images are illustrative.



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COOLING TOWER FILL MEDIA

Engineered for Performance. Built for Efficiency.

Development of high-quality PVC cooling tower fill media began at Surya Vinyl in **2018**. Supported by experienced engineers and technicians trained in Germany, we established a specialised line focused on precision, productivity and consistent quality.

Our high-speed, fully automated facility produces **six types of fill media**: CT-12, CT-19, Offset, Vertical, D-15 S Type and FB-27 Biodeck, for diverse industrial cooling and water treatment requirements.

Manufacturing Features & Advantages

Continuous Forming – Consistent material flow prevents thinning at the crests and troughs.

Double Edge Folding – Reinforced edges resist water loads and shear forces, reducing damage during installation.

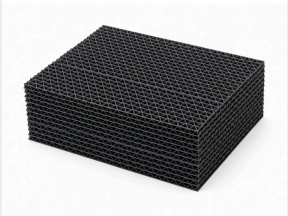
Uniform Thickness – Consistent material thickness and strength across the fill surface.

Longer Length – Fewer support beams, potentially lowering air-side pressure drop and construction costs.

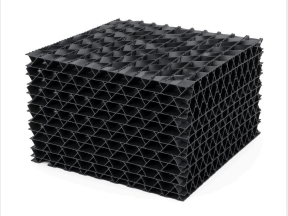
Engineering Cooling Tower Performance

Maximising air–water contact and thermal performance while minimising air-side pressure drop, through: microstructure and flute type, flute angle and tip design, module depth, material of construction.

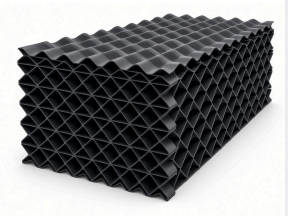
FILL MEDIA
PRODUCT RANGE



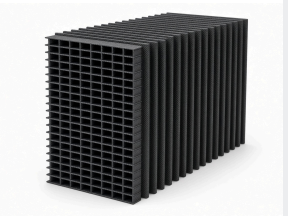
CT-12
CT-12 Film Fill



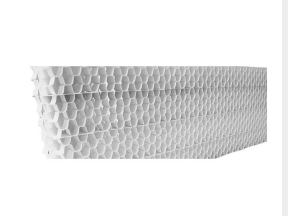
CT-19
CT-19 Film Fill



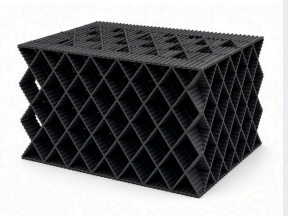
OFFSET
Offset Flute Fill



VERTICAL
Vertical Flute Fill



D-15 S
D-15 S Type Drift Eliminator



FB-27
FB-27 Biodeck

FILM FILL	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
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
Material	Rigid PVC	Rigid PVC	PVC virgin	PVC virgin	Rigid PVC, UV prot.
Application	Cross flow	Cross flow	Block fill	Block fill	Cross flow*
Max. temp.	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

* FB-27 data sheet lists cross flow; product literature also describes heavy-industrial counterflow induced-draft and natural-draft use. † Typical industry guidance only. Images illustrative (D-15: Surya Vinyl).

D-15 S Type – Drift Eliminator

Cellular PVC eliminator for small and medium counterflow and crossflow towers, up to 55 °C. Drift loss of **0.001%** of circulating water, max face velocity **4.5 m/s**, drag coefficient **2.2**; shipped as nested sheets and glued at site.

FB-27 Biodeck – Water Treatment

Low-fouling 27 mm cross-corrugated media of UV-protected PVC (CTI STD 136-2010 compliant) with glue-fitted honeycomb construction, also suited to trickling filters and bio-towers.

WHY SURYA VINYL?
BUILT ON EXPERIENCE

DRIVEN BY QUALITY

01 **EXPERIENCE SINCE 2006**
Nearly two decades of experience in PVC manufacturing.

02 **ADVANCED MACHINERY**
German-imported calendaring technology and specialised extrusion infrastructure.

03 **MANUFACTURING CAPABILITIES**
Three calendaring lines and specialised cooling tower fill production.

04 **DIVERSE PRODUCT PORTFOLIO**
Solutions across packaging and industrial cooling applications.

05 **TECHNICAL EXPERTISE**
Experienced engineers, technicians and quality professionals.

06 **CUSTOMER-CENTRIC APPROACH**
Product specifications and solutions tailored to customer requirements.



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QUALITY & TECHNICAL EXPERTISE

Quality is an integral part of our manufacturing approach. Our quality-control processes focus on **raw material evaluation, production monitoring and finished product testing**, and our quality team works alongside production professionals to maintain manufacturing consistency.

Experienced engineers, technicians and quality professionals, including a cooling-fill team trained in Germany, bring deep technical proficiency to every product line.


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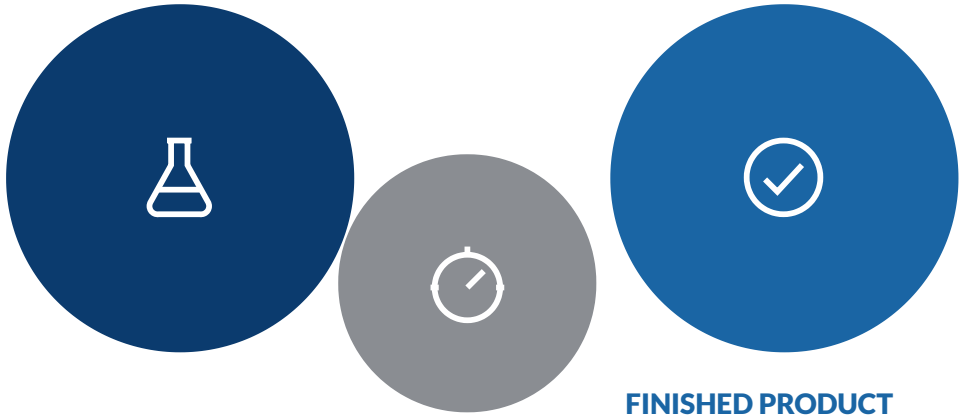
RAW MATERIAL EVALUATION

Incoming resins and compounds are evaluated before production.



PRODUCTION MONITORING

Process parameters and film gauge are monitored throughout every run.

FINISHED PRODUCT TESTING

Finished films and fill media are inspected and tested before dispatch.

ANALYTICAL LABORATORY

Our laboratory is equipped with instruments including:

- Universal Testing Machine
- Gas Chromatograph
- FTIR
- Photo Spectrometer

RESPONSIBLE MANUFACTURING

- Efficient material utilisation
- Reduction of manufacturing waste
- Process optimisation
- Improved production efficiency
- Exploring opportunities for material recyclability

[ISO certificate] [GMP certificate] [ISO 15378 certificate]

Certificate details shown only after verification.

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. We serve customers across India and international markets, including Europe.

Pharmaceutical | Nutraceutical & OTC | Medical devices | Consumer goods | Stationery

Cosmetics | HVAC | Power | Petrochemical & refinery | Steel & process | Wastewater treatment

SURYA VINYL PVT.LTD.

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PVC Rigid Films & Sheets · Cooling Tower Fill Media

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