

vinylrecycling
.com

**Trimmings from Tarpauline, new life,
better products, green environment**



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1. The role of Vinylrecycling.com/Besstrade B.V.

1.1 A Small History:

Vinylrecycling, has 50 years of experience in the pvc market and preventing pvc post production waste being incinerated or used for land-fill world-wide.

Since the eighties we are focused on giving trimmings a use rather than being turned to waste incineration or land-fill solutions. Which, in our opinion, are not a solutions at all!

Since then we have made sure that thousands of tonnes yearly instead of being a pollution, turned in to useable products.

Through our extensive network in India, we have found craftsmen to use these trimmings for actual products that are made for use for the local markets.

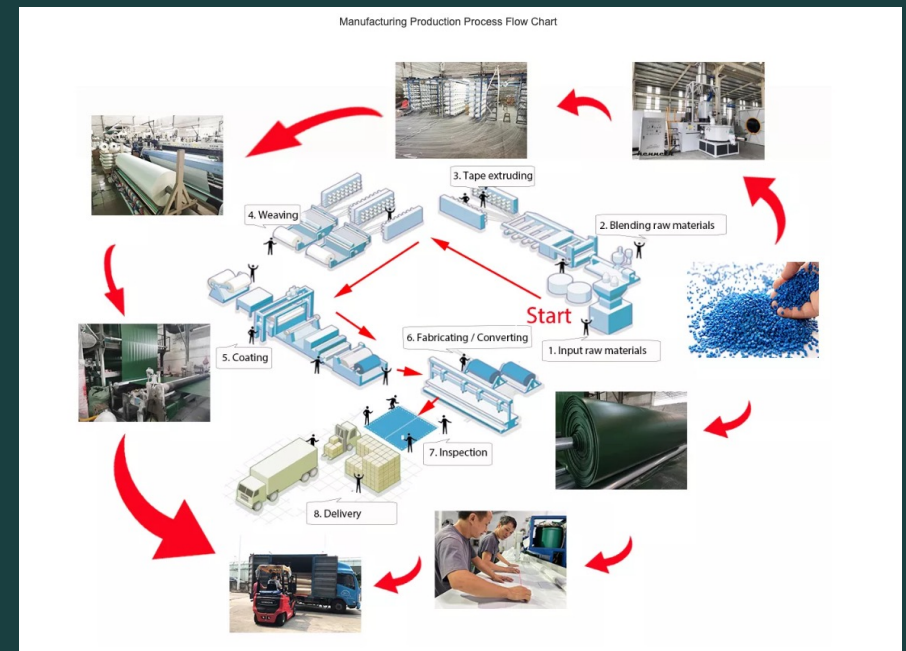


1. The role of Vinylrecycling.com/Besstrade B.V.

1.2 Partners in Tarpauline Trimmings

Vinylrecycling.com cooperates or has cooperated with the most renowned producers from Europe, direct and indirect. Where we purchase the best and durable trimming fabrics, suitable for reuse in India.

- Serge Ferrari – France
- Serge Ferrari - Switzerland
- Sioen Industries – Belgium
- Sioen Industries - France
- Saulea Fabrics – Spain
- Sattler PRO-TEX – Germany
- Igepa group – Belgium
- Forbo – The Netherlands
- Protan AS – Norway
- Verseidag – Germany

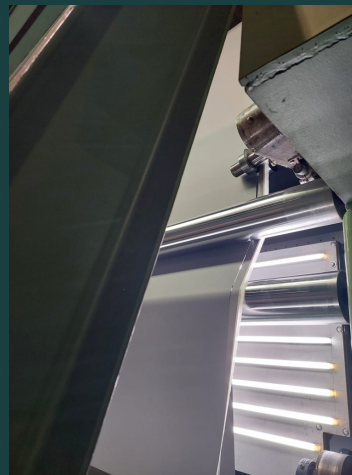


2. Trimmings – Tarpauline cut-offs – The Origin

The coloured sheets and trimmings are created during the production process of e.g. tarpaulins, swimming pool liner, sports mats, tarpaulins for tents and roofing.



1. Tarpauline production



2. Tarpauline cut-off process



3. Tarpauline trimmings, clean waste

The Trimmings are post production and pre consumer.

2. Trimmings – Tarpauline cut-offs – The Origin

2.1 Production Process

The product is a technical textile made from a polyester (PET) fabric, coated with PVC and a finishing lacquer.

The base fabric is a woven textile based on high tenacity multifilament polyester (PET) yarns. Each side of the fabric is coated with a well-impregnated adhesion layer, a main layer consisting largely of PVC, UV stabilizers, flexing additives and other additives, and a thin acrylic lacquer top coat which allows for a better cleaning ability, improved UV resistance and perfect weldability. The declared product has an average weight of 900 g/m².



The production of the PVC coated fabric starts with the production of a woven fabric made from polyester (polyethylene terephthalate, PET) yarn. This is done by beaming, followed by weaving to the desired width in the weaving plant. After quality control, the woven fabrics are transported to the coating site.

At the coating site the PVC plastisol is made from PVC powder, DINP, pigments and additives. The plastisol is knife-coated onto the fabric in several steps with gelation occurring by intermediate (and a final) heating step(s). The first coated layer differs in composition to achieve optimal adhesion. After complete coating and gelation, the lacquer layers (based on acrylics and PVC) are applied.

The consumed solvents are quantitatively evaporated from the material. The resulting vapours are treated at post-combustion to harmless gasses and water. The produced material is inspected and tested according to ISO 9001:2015



2. Trimmings – Tarpauline cut-offs – The Origin

2.2 Technical Data

Technical Data Sheet		Version 1 - Revision 03/22
B6000		
Fabric / Tissu / Gewebe / Weefsel	DIN ISO 2060 : 1994	100 % PES / 1100 dtex
Total weight / Poids total / Totalgewicht / Gewicht totaal	ISO 2286/2 : 2016	900 g/m ²
Lacquering / Vernis / Lackierung / Vernis		1/1
Embossing / Calandre / Lackierung / Kalandr		Glossy
Breaking strength Warp Résistance rupture Chaine Höchstzugkraft Kette Treksterkte Ketting	ISO 1421/1 : 2016	4000 N/5cm
Breaking strength Weft Résistance rupture Trame Höchstzugkraft Schuss Treksterkte Inslag	ISO 1421/1 : 2016	4000 N/5cm
Tear strength Warp Résistance à la déchirure Chaine Weiterreisskraft Kette Scheurweerstand Ketting	DIN 53363 : 2003	600 N
Tear strength Weft Résistance à la déchirure Trame Weiterreisskraft Schuss Scheurweerstand Inslag	DIN 53363 : 2003	500 N
Adhesion / Adhérence / Haftung / Hechting	ISO 2411 : 2017	100 N/5cm
Temperature resistance Tenue à la température Temperatuursbeständigkeit Temperatuursbeständigkeit	EN 1876/1 : 1998	-40/+70 °C
Light fastness (Except white and (half-)transparent) Tenue à la lumière (Excepté en blanc et (semi-)transparent) Lichtechtheid (Ausnahme weiss und (semi-)transparent) Lichtechtheid (Uitgezonderd wit en (half-)transparent)	ISO 105 B02 : 2014	7-8
Fire behaviour / Reaction au feu / Brennverhalten / Brandgedrag	ISO 3795 : 1989	< 100 mm/min
CONFORM		EN 12641/2
Application -> Truck/SideCurtain		

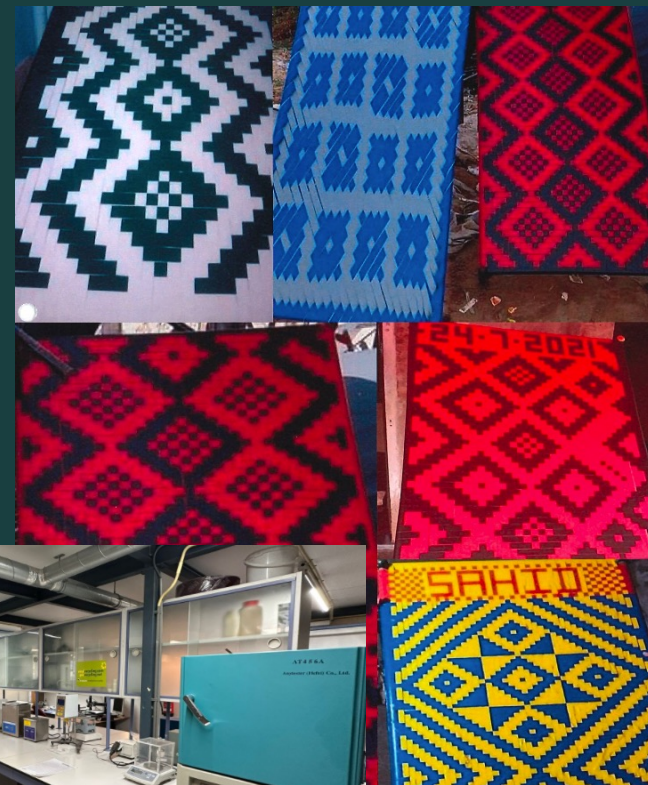
3. Trimmings – Tarpauline cut-offs – A new Life

3.1 Added value of Vinylrecycling.com

The tarpauline trimmings find their way to a variety of durable products that are produced in India.

By recognizing Vinylrecycling.com for the import of Tarpaulin trimmings to India, the Indian government can be assured that only the best grades (not scrap) will enter the Indian market.

- Cooperating with top producers
- Strict quality control
- Reliable handling and distribution



Vinylrecycling.com laboratory

3. Trimmings – Tarpauline cut-offs – A new Life

3.2 Stats and Numbers

Estimated European production:

Tarpauline: 400.000 M/T

Off-cuts production: ca. 1,5% = 6.000 MT
Tonnes

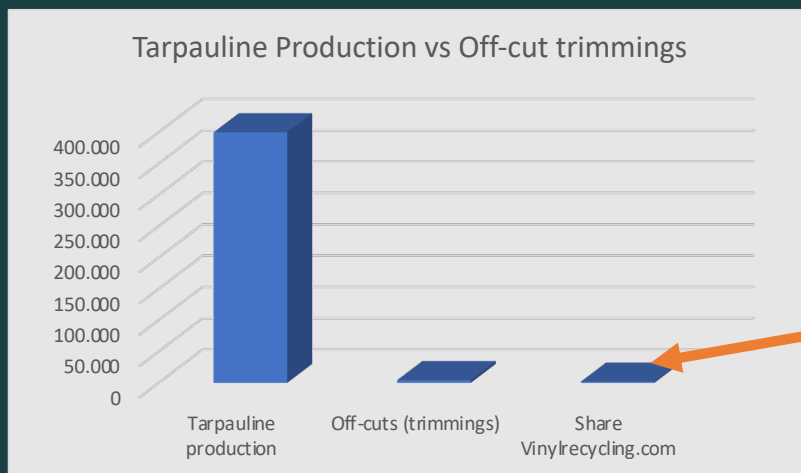
Share Vinylrecycling.com selected materials:

Est. 30% - 2.000 kg tonnes

Vinylrecycling.com has a long history of exporting Trimmings to India.

Some numbers:

- Tonnes per year: approx 2.000
- Quantity loaded per container: approx 25 tonnes
- Quantity containers per year: approx 80
- Quantity per month: approx 6-10 containers



Possible export to India

4. Vinylrecycling.com/Besstrade – Reliable Recycling

Added value of Vinylrecycling.com

Vinylrecycling.com/Besstrade is the real pvc recycling company. This is not to our own acclaim but also our credentials from ISO and International Governements prove this.

Service public de Wallonie
 DEPARTEMENT DU SOL ET DES DECHETS
 OFFICE WALLON DES DECHETS

Monsieur I. BESSELEN
 BV BESSTRADE
 Nijverheidsweg, 10
 NL-3881 LA PUTTEM

Tel : 081.33.65.68
 Fax : 081.33.65.22
 e-mail : sophie.voisin@spw.wallonie.be

Vos contacts : Sophie Voisin (Assistante)
 Jean-Yves MERCIER (1^{er} Attaché)
 Directeur : Ir. A. GHODSI

V.R. :
 N.R. : JYM/soy/GWD/DPD/Sorie2010 : 20567
 Entree2010:26297
 Annexe : 1

Objet : Demande d'enregistrement en qualité de collecteur et/ou de transporteur de déchets autres que dangereux.
 Enregistrement n° 2010-09-09-07

Monsieur,

Je vous prie de bien vouloir trouver, en annexe, l'acte de l'Office wallon des déchets de l'enregistrement de la BV BESSTRADE en qualité de collecteur de déchets.

Je vous prie d'agréer, Monsieur, l'expression de ma considération distinguée.

L'Inspecteur général
 Ir. A. HOUTAIN

International Certification Registrar

Certificate of Registration

This is to certify that:
BessTrade bv
 Bisschovenweg 31, Industrial Estate Oostvaarders, 8211 AA Lelystad, The Netherlands

Has been assessed by International Certification Registrar Ltd., in respect of their Environmental Management Systems and found to comply with

ISO 9001:2015

Approval is hereby granted for registration providing the rules and conditions relating to certification are observed at all times.

Certification Scope
 Import, export, sales and support of ferrous and non-ferrous metal scrap, mixed metal scrap, waste paper, waste plastics and smelt slag

Certificate Issue Date : 10th November 2020 Initial Issued Date : 17th October 2017
 Expiration Date : 16th October 2023 Certificate No. : Q381717

* This certificate is valid by completion of surveillance audit which is conducted within 12 months from the certification date.

The Seal of ICR Limited was hereto affixed in the presence of:

International Certification Registrar

Certificate of Registration

This is to certify that:
BessTrade bv
 Bisschovenweg 31, Industrial Estate Oostvaarders, 8211 AA Lelystad, The Netherlands

Has been assessed by International Certification Registrar Ltd., in respect of their Environmental Management Systems and found to comply with

ISO 14001:2015

Approval is hereby granted for registration providing the rules and conditions relating to certification are observed at all times.

Certification Scope
 Import, export, sales and support of ferrous and non-ferrous metal scrap, mixed metal scrap, waste paper, waste plastics and smelt slag

Certificate Issue Date : 10th November 2020 Initial Issued Date : 17th October 2017
 Expiration Date : 16th October 2023 Certificate No. : E188117

* This certificate is valid by completion of surveillance audit which is conducted within 12 months from the certification date.

The Seal of ICR Limited was hereto affixed in the presence of:

niwo Ministerie van Infrastructuur en Waterstaat

BESLUIT INZAMELEN AFVALSTOFFEN & REGELING VERVOERDERS, INZAMELAARS, HANDELAARS EN BENIDDELAARS

VWB NUMMER: 514518VBHB

Ingevolge beschikking van de Minister van Infrastructuur en Waterstaat is op de list van vervoerders, inzameelaars, handelaars en benidelaars opgenomen:

Dans Fide B.V.
 Binnenvoerweg 31
 4211 LA Lelystad

ORIGINEEL

De lijst is voor oorspronkelijke toelating.

Afgelopen op: 13 juni 2019

Nationale en Internationale Wegvervoer Organisatie

niwo

Mr. G.J. Othoff, directeur

An Chyí Hlídková von Lengyels Főosztály, Block B, Floor 2, Dublin District, Dublin 2, Ireland. Dublin City Council (NTFSO) hereby certifies Besstrade B.V. as an authorised Broken/Dealer subject to attached conditions.

Waste Management (Registration of Brokers and Dealers) Regulations 2008 (S.I. No. 113 of 2008)

Certificate of Registration

In accordance with Regulation 8 of the Waste Management (Registration of Brokers and Dealers) Regulations 2008, S.I. No. 113 of 2008, the National TFS Office, Dublin City Council (NTFSO) hereby certifies **Besstrade B.V.** as an authorised Broken/Dealer subject to attached conditions.

Registration Number: IRE/G288/24
 Company Name: Besstrade B.V.
 Date of issue: 30th May 2022
 Expiry date: 31st May 2024
 Authorised by NTFSO: *Alan O'Donovan*

CONDITIONS

The NTFSO has entered the particulars of this certificate of registration in the Register for Waste Brokers and Dealers maintained by it pursuant to waste management legislation. For the purpose of preventing illegal shipments, and in the interest of protecting the environment and human health, in accordance with Regulation 9 of the Waste Management (Registration of Brokers and Dealers) Regulations 2008, this certificate is issued subject to the following conditions:

The person issued with this Certificate of Registration who is involved in a shipment of waste shall:

- Ensure that shipments of waste are carried out in compliance with the requirements of the Waste Shipment Regulations (Regulation (EC) No. 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste; Waste Management (Shipments of Waste) Regulations 2007 (S.I.1419 of 2007)) in an environmentally sound manner and without endangering human health.
- Submit quarterly data reports and pay invoiced service charges in respect of Green List waste shipments.

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5. End of life strategy

Ofcourse the products made out of the trimmings will have an end of life. What then?

Vinylrecycling.com/Besstrade is a company that has a solution for end of life pvc products. The end of life for the products made out of trimmings can be used in our roadplates production facility in The Netherlands or even better, to lower Co2 footprint, we can help locally to set up such activities to ensure less wastes. Roadplates or tiles can be reproduced again and again by adding end of life pvc products.

- Collecting localy (find partners-Neflor)
- Determing end – of life status
- Relocating to best possible solution
- End of life production (e.g. roadplate production)



Roadplates production





vinylrecycling

.com General Business Information

**Binnenhavenweg 31
8211 AA, Lelystad
The Netherlands**

BUSINESS REGISTRATION: kvk 08083565
NIWO REGISTRATION: GL414518VIHB

EORI: NL808250863
VAT: NL808250863B01

BANK: ABN AMRO
Besstrade B.V.
Gustav Mahlerlaan 10
1082 PP, Amsterdam

EURO ACCOUNT: 52.17.35.041
IBAN: NL27ABNA0521735041
BIC: ABNANL2A

USD ACCOUNT: 52.31.98.574
IBAN: NL11ABNA0523198574
BIC: ABNANL2A

CERTIFICATES: ISO9000
ISO1400