

VINYLPUS AT A GLANCE

THE EUROPEAN PVC INDUSTRY'S
COMMITMENT TO SUSTAINABLE DEVELOPMENT



vinyl ^{plus}®
COMMITTED TO
SUSTAINABLE DEVELOPMENT



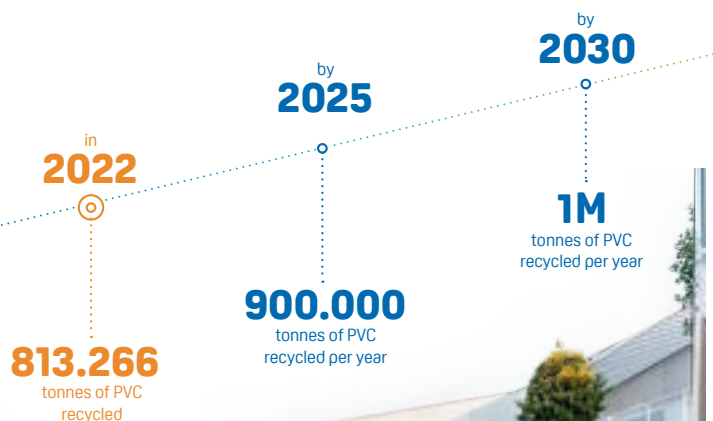
PATHWAY 1

Scaling up PVC Value Chain Circularity

In line with the relevant EU policies, such as the Chemicals Strategy for Sustainability and the Circular Economy Action Plan under the European Green Deal, VinylPlus is leading the European PVC industry towards a circular economy, by improving the sustainability performance of PVC, boosting recycling and ensuring the safe and sustainable use of recyclates.



OUR RECYCLING TARGETS

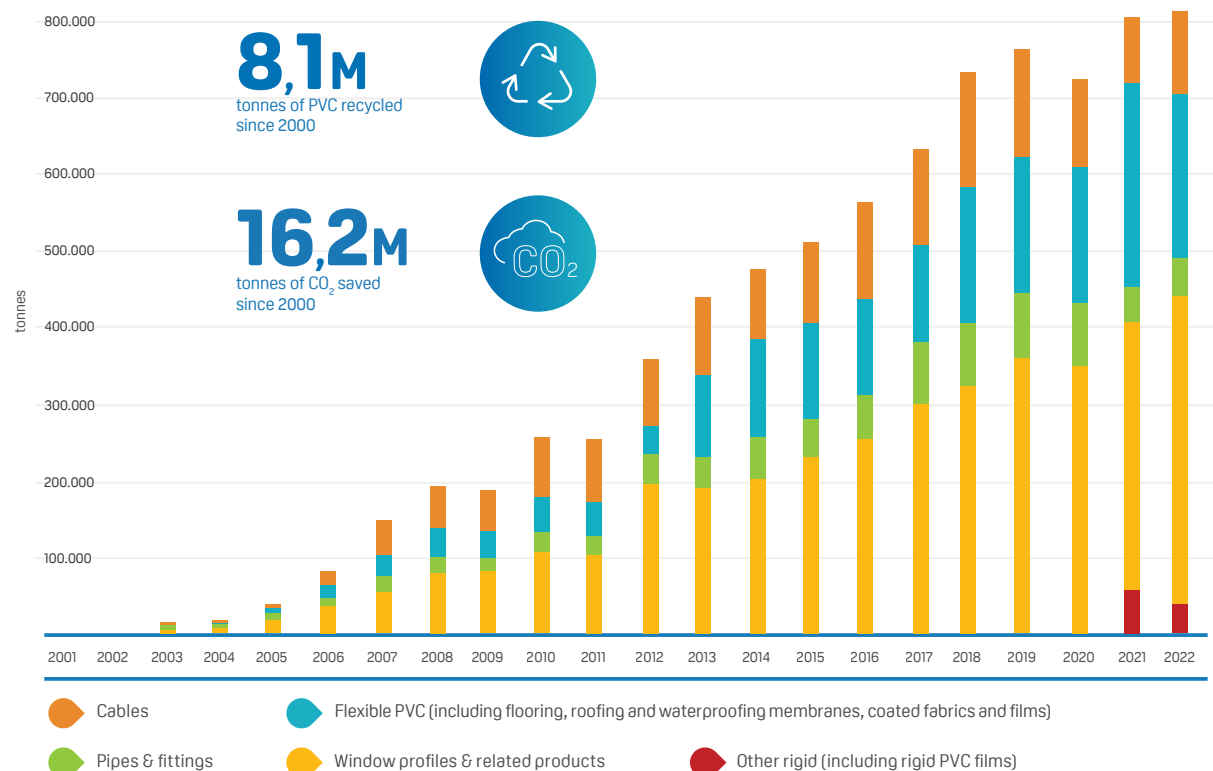


2022 HIGHLIGHTS

#Circular Economy

- PVC waste recycling within the VinylPlus framework reached 813,266 tonnes in 2022, around 27% of the total PVC waste generated during the year in the EU-27, Norway, Switzerland and the UK.
- A review of existing collection and recycling schemes was carried out in 2022, in collaboration with the main sectoral organisations. **Target 1.1.3 achieved**
- Innovative projects are ongoing to boost post-consumer windows and pipes recycling, accelerate circularity in the healthcare sector across Europe and improve sorting and collection of PVC from urban waste.
- An extensive gap analysis on existing scientific data that support the safe and sustainable use of additives was carried out in 2022. **Target 1.2.1 achieved**
- Revinylfloor and REMADYL projects continued their activities aimed at reducing and removing legacy additives in PVC waste streams.
- As part of the VinylPlus® RecoChlor programme dedicated to recover and recycle chlorine from difficult-to-recycle end-of-life PVC products, trials of the RecoAcid project were successfully completed in 2022.

PVC RECYCLED WITHIN THE VINYLPLUS FRAMEWORK





PATHWAY 2

Advancing towards Carbon Neutrality and Minimising our Environmental Footprint



#Decarbonisation and Environmental Footprint Minimisation

- The **Additive Sustainability Footprint®** is a methodology to proactively assess and promote the sustainable production and use of PVC additives throughout entire product lifecycles. A summary report on the experience of the ESPA and European Plasticisers members during the window profiles and homogeneous flooring pilot assessments is available on the VinylPlus website. **Target 2.2.2 achieved** 🎯«
- A third-party verification of compliance with the criteria of the 2019 version of the ECVM Charter was carried out in 2022 by the certification body DEKRA GmbH (www.dekra.com). The compliance rate observed was of 89%. A new verification will be scheduled for early 2024.
- VinylPlus, all ECVM member companies, and the other VinylPlus founding members, have signed up to the Operation Clean Sweep® (OCS) programme. OCS schemes are already implemented at most EuPC members' sites. **Target 2.3.5 achieved** 🎯«

More information can be found in the VinylPlus Progress Report 2023, downloadable from www.vinylplus.eu.

All the information reported has been independently audited and verified by third parties.



Europe needs proactive industries to accelerate a pragmatic transition towards sustainability and a circular economy. VinylPlus has been proactive in phasing out additives of concern, surpassing regulatory standards, and seeking to ensure the safety of the additives utilised. I commend VinylPlus for setting an example with the positive approach it has taken to advance towards a circular and carbon-free economy.

Ondřej Knotek
Member of the European
Parliament





PATHWAY 3

Building Global Coalitions and Partnering for the SDGs



#Coalitions and Partnerships

Contributing to sustainable development through certified and traceable products

- In 2022, the **VinylPlus® Product Label** was updated and integrated with new criteria (in relation to recycled content and use of by-products) to comply with the requirements of the Italian GPP CAM (minimum environmental criteria) for Building and Urban furniture.
- The first five companies obtained the **VinylPlus® Supplier Certificates**, the sustainability schemes for additive producers and compounders that allow raw material suppliers to demonstrate their sustainability efforts and help converters obtain the VinylPlus® Product Label. **Target 3.2.2.a achieved** 🎯«



Through the **Versatile Vinyl for a Resilient Europe** awareness campaign, VinylPlus is engaging public opinion in an open debate on the transition to a more sustainable and climate-neutral future.

Engaging with stakeholders

- The 10th VinylPlus Sustainability Forum *‘Embracing EU Green Deal Ambitions’* took place in Brussels and online, in May 2022. It involved 490 stakeholders from 40 countries.
- 1-year implementation of **VinylPlus® Med** in Belgium confirmed how a successful partnership between hospitals, waste management companies, recyclers and plastic converters can turn hospital plastic waste into durable hospital products.
- The **Garden to Connect** project was selected for participation in the European Commission’s New European Bauhaus Festival in Brussels. In 2022, VinylPlus supported the extension of the project in Rwanda, aimed at upcycling waste pipes for kitchen gardening and community building.



THE VINYLPLUS SUSTAINABILITY CERTIFICATIONS COMMUNITY CONTINUES TO EXPAND:

16 companies have been certified for

>500 products and product systems manufactured at

27 European sites

ABOUT VINYLPLUS

VinylPlus® is the European PVC industry's commitment to sustainable development. Through VinylPlus, the European PVC industry is creating a long-term sustainability framework for the entire PVC value chain, improving PVC products' sustainability and circularity and their contribution to a sustainable society.

Launched in June 2021, the **VinylPlus 2030 Commitment** builds upon a track record of more than 20 years of progress and achievements throughout the EU-27, Norway, Switzerland, and the UK.



FOUNDING MEMBERS AND PARTNERS



**3 NATIONAL
ASSOCIATE MEMBERS**



150 recycler partners

VinylPlus Partners

IN 2022, THE CONTRIBUTORS WERE

CONVERTERS:

A. Kolckmann GmbH (Germany)
Alfatherm SpA (Italy)
Aliaxis Group (Belgium)
Altro (UK)
Altro Debolon Dessauer Bodenbeläge GmbH & Co. KG (Germany)
aluplast Austria GmbH (Austria)
aluplast GmbH (Germany)
alwitra GmbH & Co (Germany)
AMS Kunststofftechnik GmbH & Co. KG (Germany)
Amtico International (UK)
APA SpA (Italy)
Beaulieu International Group (Belgium)
BM S.L. (Spain)
BMI Group (Germany)
BT Bautechnik Impex GmbH & Co. KG (Germany)
BTH Fitting Kft. (Hungary)
CF Kunststofprofielen (Netherlands)
Chieftain Fabrics (Ireland)
CIFRA (France)
Copaco Screenweavers (Belgium)*
Danosa (Spain)
Deceuninck Germany GmbH (Germany)
Deceuninck Ltd (UK)
Deceuninck NV (Belgium)
Deceuninck SAS (France)
Dekura GmbH (Germany)
DHM (UK)
Dow Europe GmbH (Switzerland)
Dyka BV (Netherlands)
Dyka Plastics NV (Belgium)
Dyka Polska Sp. z o.o. (Poland)
Dyka SAS (France)
Eibtal Plastics GmbH & Co. KG (Germany)
Epwin Window Systems (UK)
Ergis SA (Poland)
Eurocompound Srl (Italy)
Fatra a.s. (Czech Republic)
FDT FlachdachTechnologie GmbH & Co. KG (Germany)
Finstral AG (Italy)
FIP (Italy)
Forbo Flooring BV (Netherlands)
Forbo Novilon BV (Netherlands)
Forbo Sarlino SAS (France)
Forbo-Giubiasco SA (Switzerland)
Funzionano AS (Norway)
Gealan Fenster-Systeme GmbH (Germany)
Georg Fischer Deka GmbH (Germany)
Gerflor Mipolam GmbH (Germany)
Gerflor SAS (France)
Gerflor Tarare (France)
Gernord Ltd (Ireland)
Girpi (France)
Gislaved Folie AB (Sweden)
Griffine Enduction (France)
Hamos GmbH (Germany)*
Helioscreen (Belgium)*
H-fasader AS (Norway)
Holland Colours NV (Netherlands)
Hundhausen Kunststofftechnik GmbH (Germany)
Imerys Talc Europe (France)
Industrias REHAU SA (Spain)
Industrie Plastiche Lombarde SpA (Italy)*
Inoutic/Deceuninck Sp. z o.o. (Poland)
Internorm Bauelemente GmbH (Austria)
IVC BVBA (Belgium)

Jimten (Spain)
KURO Kunststoffe GmbH (Germany)*
Liveo Research (Germany)
Low & Bonar GmbH (Germany)
Lubrizol Advanced Materials Europe BVBA (Belgium)
Manufacturas JBA (Spain)
Marley Deutschland (Germany)
Marley Hungária (Hungary)
Mermet Screen (France)*
Microban Products Company (USA)*
MKF-Ergis GmbH (Germany)
MKF-Ergis Sp. z o.o. (Poland)
Molecor (Spain)
Mondorevive SpA (Italy)
Nicoll (France)
Nicoll Italy (Italy)
Nordisk Wavin AS (Denmark)
Norsk Wavin AS (Norway)
Novafloor (France)
NYLOPLAST EUROPE BV (Netherlands)
Objectflor Art und Design Belags GmbH (Germany)*
Omya International AG (Switzerland)
Palram DPL Ltd (UK)
Perlen Packaging (Switzerland)
Pipelife Austria (Austria)
Pipelife Belgium NV (Belgium)
Pipelife Czech s.r.o (Czech Republic)
Pipelife Deutschland GmbH (Germany)
Pipelife Eesti AS (Estonia)
Pipelife Finland Oy (Finland)
Pipelife France (France)
Pipelife Hungária Kft. (Hungary)
Pipelife Nederland BV (Netherlands)
Pipelife Norge AS (Norway)
Pipelife Polska SA (Poland)
Pipelife Sverige AB (Sweden)
Poliplast (Poland)
Poloplast GmbH & Co. KG (Austria)
Polyflor (UK)
Polymer-Chemie GmbH (Germany)
PreZero Kunststoffrecycling GmbH & Co. KG (Germany)
profine GmbH – International Profile Group (Germany)
PROJECT FLOORS GmbH (Germany)*
Redi (Italy)
REHAU AG & Co (Germany)
REHAU GmbH (Austria)
REHAU Ltd (UK)
REHAU SA (France)
REHAU Sp. z o.o. (Poland)
RENOLIT Belgium NV (Belgium)
RENOLIT Cramlington Ltd (UK)
RENOLIT Hispania SA (Spain)
RENOLIT Ibérica SA (Spain)
RENOLIT Milano Srl (Italy)
RENOLIT Nederland BV (Netherlands)
RENOLIT Ondex SAS (France)
RENOLIT SE (Germany)
Resysta International GmbH (Germany)
Riflex Film (Sweden)
Riuvert (Spain)
Roechling Industrial Lahnstein SE & Co. KG (Germany)
Saint Clair Textiles (France)
Salamander Industrie Produkte GmbH (Germany)
Sattler PRO-TEX GmbH (Austria)
Schüco Polymer Technologies KG (Germany)
Screen Protectors SL (Spain)*
Serge Ferrari SAS (France)
Sika Services AG (Switzerland)
Sika Trocal GmbH (Germany)
SIMONA AG (Germany)
Sioen Industries (Belgium)*
SKZ-Testing GmbH (Germany)
Soprema Srl (Italy)

Stöckel GmbH (Germany)
Tarkett AB (Sweden)
Tarkett France (France)
Tarkett GDL SA (Luxembourg)
Tarkett Holding GmbH (Germany)
Tarkett Limited (UK)
Teraplast SA (Romania)
TMG Automotive (Portugal)
Veka AG (Germany)
Veka Ibérica (Spain)
Veka Plc (UK)
Veka Polska (Poland)
Veka SAS (France)
Verseidag-Indutex GmbH (Germany)
Vescom BV (Netherlands)
Vinilchimica Srl (Italy)
Vulcaflex SpA (Italy)
Wavin Baltic (Lithuania)
Wavin Belgium BV (Belgium)
Wavin BV (Netherlands)
Wavin France SAS (France)
Wavin GmbH (Germany)
Wavin Hungary (Hungary)
Wavin Ireland Ltd (Ireland)
Wavin Metalplast (Poland)
Wavin Nederland BV (Netherlands)
Wavin Plastics Ltd (UK)
Windmöller GmbH (Germany)*

PVC RESIN PRODUCERS:

Ercros (Spain)
Kem One (France, Spain)
INOVYN (Belgium, France, Germany, Italy, Norway, Spain, Sweden, UK)
Shin-Etsu PVC (Netherlands, Portugal)
VESTOLIT GmbH (Germany)
Westlake Vinnolit GmbH & Co. KG (Germany, UK)
Vynova Group (Belgium, France, Germany, Netherlands, UK)

PVC STABILISER PRODUCERS:

Akdeniz Chemson Kimya San. ve Tic. A.Ş.
Asúa Products S.A.
Baerlocher GmbH
Galata Chemicals GmbH
IKA GmbH & Co. KG
PMC Group Inc.
Reagens SpA
Valtris Specialty Chemicals Ltd

PVC PLASTICISER PRODUCERS:

BASF SE
DEZA a.s.
Eastman
Evonik Performance Materials GmbH
ExxonMobil Chemical Europe Inc.
Grupa Azoty ZAK SA
LANXESS Deutschland GmbH
Perstorp Oxo AB
Polynt Group
Proviron
Varteco

ASSOCIATE MEMBERS:

British Plastics Federation (BPF) VinylPlus UK
VinylPlus Deutschland e.V. (Germany)
VinylPlus Italia

* Companies that joined VinylPlus in 2022