

VinylPlus

Sector Definitions of Recycling

Revision 5, 1 October 2019



REVINYLFLOOR

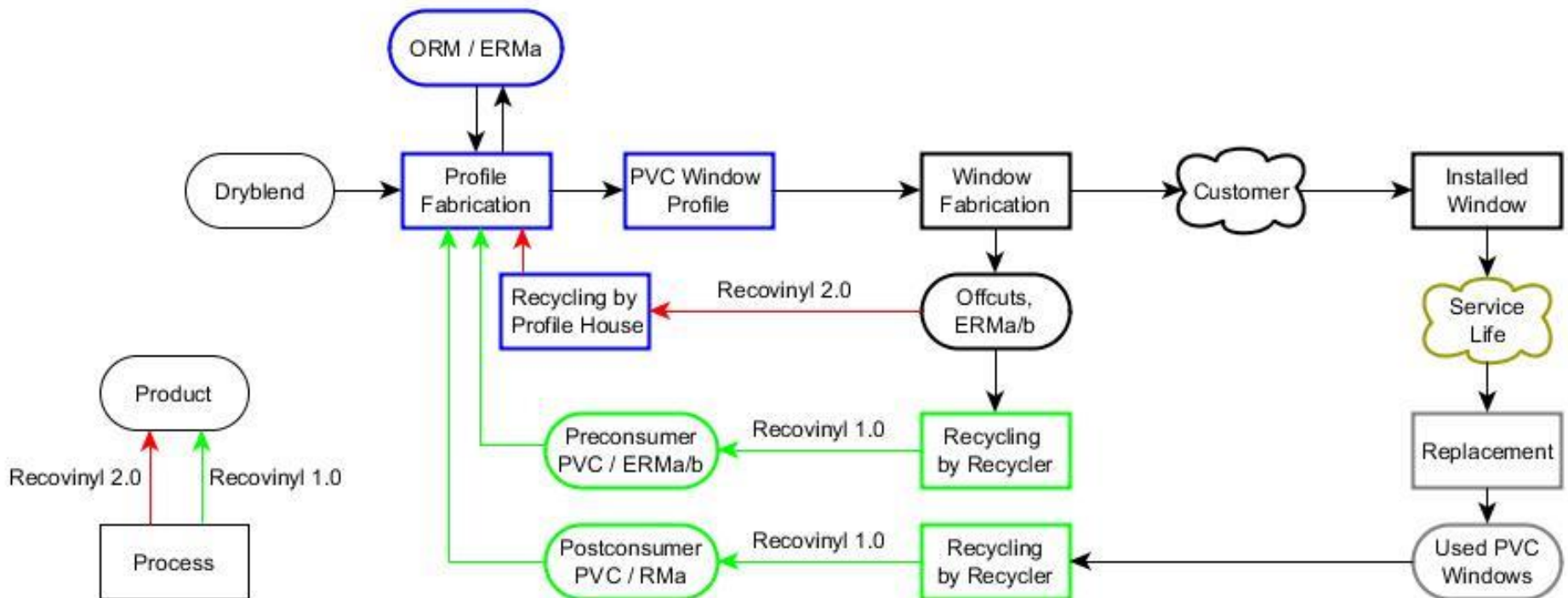


Basic Definition of Recycling

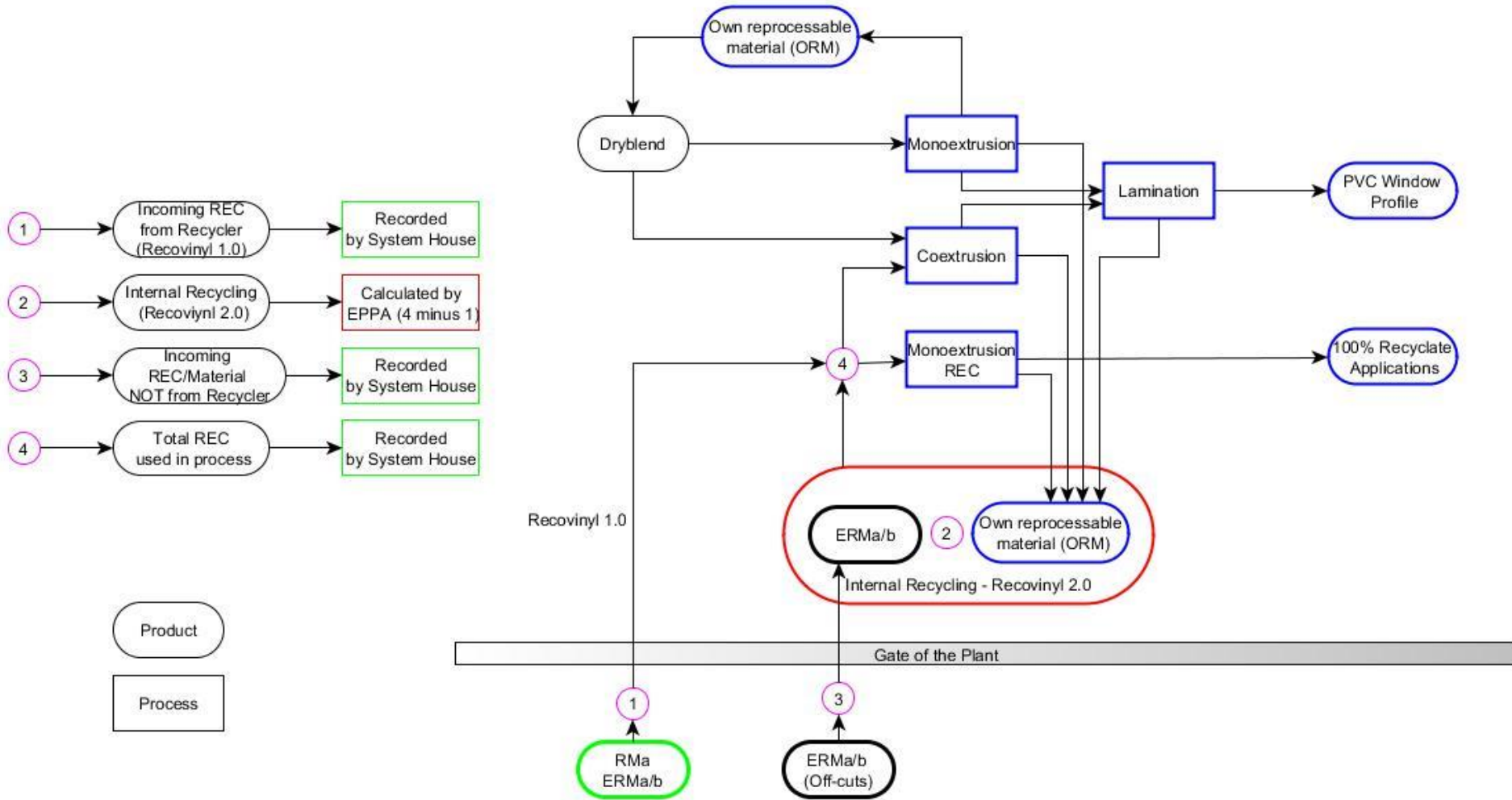
RECYCLED PVC IS A DISCARDED PVC PRODUCT OR SEMI-FINISHED PRODUCT, THAT IS DIVERTED FROM WASTE FOR USE WITHIN A NEW PRODUCT; THE PROCESSING WASTE IS INCLUDED PROVIDED THAT IT CANNOT BE REUSED IN THE SAME PROCESS THAT GENERATED THE WASTE.

EPPA Definition of Recycling

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Window Profile Fabrication Process Details



TEPPFA Definition of Recycling

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- **Post-Industrial Waste**
 - ✗ Excluded – Factories (Extrusion/Injection Moulding)
 - ✗ Waste that can be re-used directly in the same process that generated the waste
 - ✗ E.g. injection moulded stubs that are ground back directly into the injection moulding machine
 - ✓ Included – Factories (Extrusion/Injection Moulding)
 - ✓ Production Waste that cannot be re-used directly in the same process that generated the waste:
 - ✓ Start-up material
 - ✓ Quality reject products
 - ✓ Quality test products and storage yard waste
- **Post-Consumer Waste**
 - ✓ PVC pipes from building traders, construction, municipalities, utility, agriculture and telecom companies
 - ✓ Sorting, Cleaning, non-plastics removal, crushing, micronizing, homogenizing
 - ✓ All approved, sold, finished products go to customers + material from
 - ✓ Deconstruction/demolition waste
 - ✓ Sorting companies for building and construction waste
 - ✓ Municipal waste sites

REVINYLFLOOR

Definition of Recycling

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- **Post-Industrial Waste**
 - ✗ Excluded - Processing waste that can be re-used in the SAME* process that generated the waste
 - ✗ Rejected material of identical, single foil composition, incl. edges
 - ✓ **Included – Factories (Floor Covering Waste)**
 - ✓ **Flooring Waste:**
 - ✓ Re-used in OTHER internal processes or sold to other flooring manufacturers or other converters
- **Post-Consumer Waste**
 - ✓ Post-consumer waste from used flooring after renovation, demolition
 - ✓ Internal re-use of off cuts
 - ✓ Waste generated from the above streams which is then provided to a recycler

*same process meaning: passing/using the same type of production line with the same raw material composition to arrive at the same semi-finished/finished product.

Film & Sheet Definition of Recycling

revised NOV 5 2014

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- **Post-Industrial Waste**

- ✗ **Excluded** – Factories (Calender and Extruder Manufacturers)

- ✗ Processing waste including:

- ✗ Kneading waste
 - ✗ Clippings and Edge Trimmings
 - ✗ Storage yard waste material including sweepings and chips
 - ✗ Hot grinding

- ✓ **Included** – Factories (Calender and Extruder Manufacturers)

- ✓ Cold grinding, any scrap adapted and reformulated (chemical/process)

- ✓ Roll Waste:

- ✓ Not usable for the same product
 - ✓ Roll waste and Edge Trimmings from
 - ✓ PVC/PE Composites
 - ✓ PVC/PVDC
 - ✓ PVC/Substances Materials

- **Post-Consumer Waste**

- ✓ Post-consumer waste from and to the following industries:

- ✓ Monofilms → PVC films
 - ✓ Laminates → PVC plates
 - ✓ Coated → PVC sheets
 - ✓ Painted → PVC articles metallised & printed

Film & Sheet Definition of Recycling

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- **Post-Industrial Waste**
 - X **Excluded** – Factories (Calender and Extruder Manufacturers)
 - X Processing waste including:
 - X Kneading waste
 - X Clippings and Edge Trimmings
 - X Storage yard waste material including sweepings and chips
 - X Hot grinding
 - ✓ **Included** – Factories (Calender and Extruder Manufacturers)
 - ✓ Cold grinding, any scrap adapted and reformulated (chemical/process)
 - ✓ Roll Waste:
 - ✓ Not usable for the same product
 - ✓ Roll waste and Edge Trimmings from
 - ✓ PVC/PE Composites
 - ✓ PVC/PVDC
 - ✓ PVC/Substances Materials
- **Post-Consumer Waste**
 - ✓ Post-consumer waste from and to the following industries:
 - ✓ Monofilms → PVC films
 - ✓ Laminates → PVC plates
 - ✓ Coated → PVC sheets
 - ✓ Painted → PVC articles metallised & printed

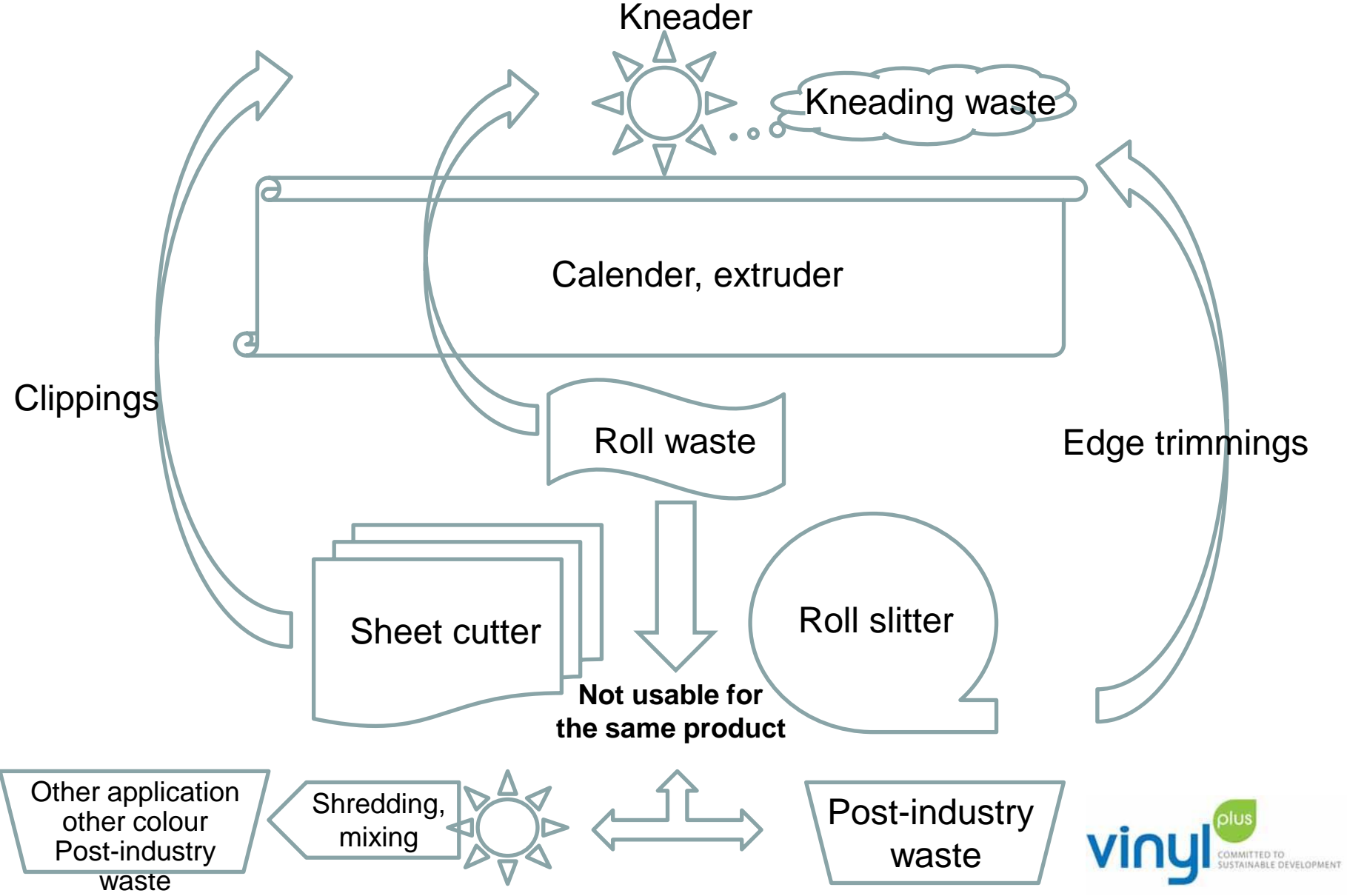
Roofing and Waterproofing

Definition of Recycling

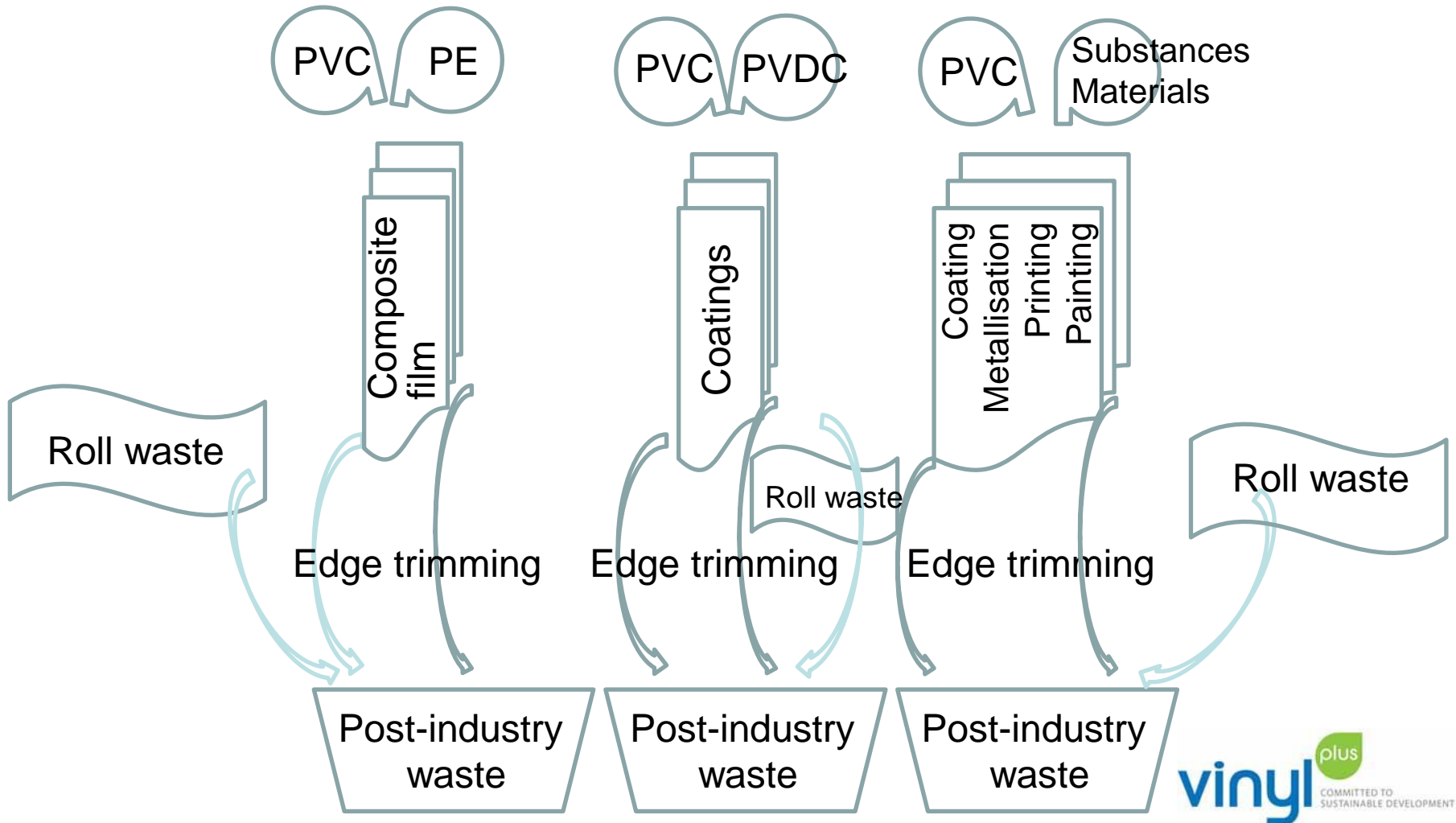
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- Post-Industrial Waste
 - ✗ Excluded – Factories (Calender and Extruder Manufacturers)
 - ✗ Processing waste including:
 - ✗ Kneading waste
 - ✗ Clippings and Edge Trimmings
 - ✗ Storage yard waste material including sweepings and chips
 - ✓ Included – Factories (Calender and Extruder Manufacturers)
 - ✓ Roll Waste:
 - ✓ Not usable for the same product
 - ✓ Roll waste and Edge Trimmings from
 - ✓ PVC/PET Composites
- Post-Consumer Waste
 - ✓ Post-consumer waste from and to the following industries:
 - ✓ Coated →PVC sheets
 - ✓ All approved, sold, finished products go to customers + material from
 - ✓ Deconstruction/demolition waste
 - ✓ Sorting companies for building and construction waste
 - ✓ Municipal waste sites

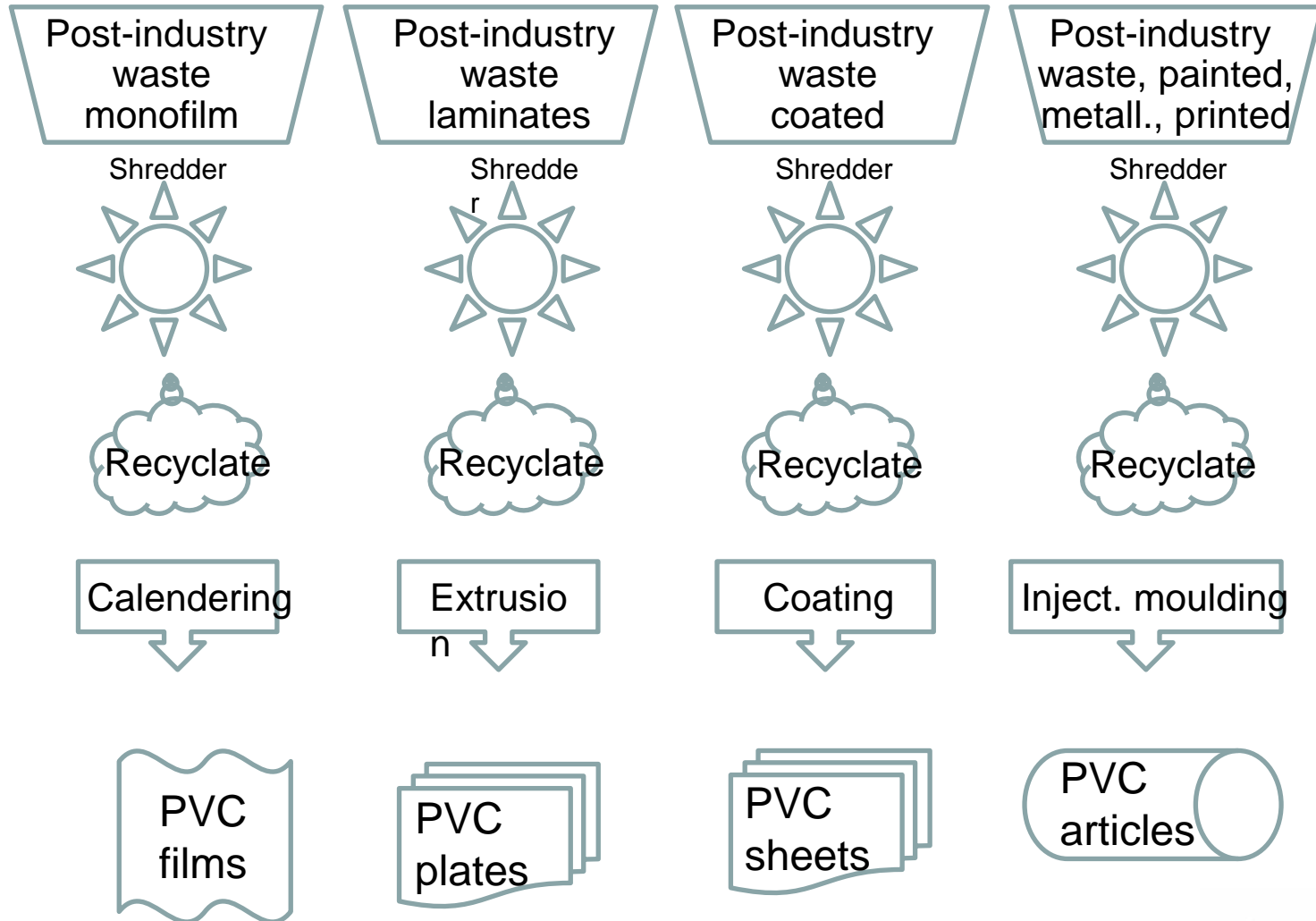
Industrial waste rigid and soft PVC films not part of VinylPlus self-commitment



Post-industry waste part of VinyPlus self-commitment



Recycling of PVC post-industry waste to new products within the scope of VinylPlus



Cable

Definition of Recycling

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- Post-Industrial Waste
 - ✗ Excluded – Factories (Extrusion)
 - ✗ Waste that can be re-used directly in the same process that generated the waste
 - ✗ Start up waste extruded directly back into the extruder
 - ✗ Storage yard waste material including sweepings and chips
 - ✓ Included – Factories (Extruder Manufacturers)
 - ✓ Cable Waste:
 - ✓ Not usable in the SAME product such as contaminated with metals etc.
- Post-Consumer Waste
 - ✓ Post-consumer cable from the demolition industry or scrap cable from electrical industry which has been stripped of copper etc and re-used in either:
 - ✓ New Cable applications for bedding or
 - ✓ Non-cable applications e.g. traffic management systems etc.