

Recyclable-Ready: PPWR Design Process Checklist

This checklist provides a structured approach to developing PPWR-compliant recyclable* packaging. It helps navigate key steps, from assessing recyclability to exploring design changes and evaluating impacts, supporting collaboration and informed decision-making. It is intended to serve as a starting point for creating more informed and practical packaging solutions.

[*More about other PPWR pillars](#) [In-depth handbook](#)



1.

- ☐ Identify disposal **waste stream** or assume common waste
- ☐ Identify **recycling stream requirements** for the primary packaging material
- ☐ Review existing **tools and frameworks** for guidance
- ☐ Contact **experts** to clarify in-depth unknowns about recyclability and streams (e.g. recyclers, regulatory)
- ☐ Gather supplier **specifications** for materials and assessment

[Tools](#) [Frameworks](#) [Specifications needed](#)

Understanding requirements



3.

- How can you simplify your design or part towards **mono-material**?
- Can you design to ensure **separability** under mechanical pressure?
- Is **harmonization** or simplification within existing portfolio possible?
- For big changes: explore full **innovation** possibilities.
- Opportunities with **suppliers**
- Opportunities in the **market**
- What are **competitors** doing?
- Potential new supplier **collaborations**

Ideate design changes



5.

Marketing: check consumer perceptions, future trends & roadmap

Suppliers: check design change possibilities

Supply chain: check line and machine update possibilities, cost, time and logistics. Can production lines handle the change?

Stakeholder alignment



Development & testing



PPWR 101*

- 2028** Criteria for D4R guidelines
- 2030** Minimum 10% PCR*
Weight recyclable > 70%
- 2035** Recyclability at scale > 55%
- 2038** Weight recyclable > 80%
Minimum 25% PCR*

[More PPWR](#) *Contact sensitive food packaging

2.

- ☐ Evaluate material **sortability** (e.g. NIR, sleeves, other components, colours)
- ☐ Identify **contamination** risks (e.g. inks, adhesives, other materials)
- ☐ Assess **separability** of non-mono components under mechanical pressure
- ☐ Evaluate percentage of material that can be **actually recycled**
- ☐ Identify the **parts** that must be redesigned

[Frameworks](#) [Tools](#)

4.

- **Technical feasibility:** Low/Medium/High
- **Consumer perception** impact: Low/Medium/High
- Expected **cost:** Low/Medium/High
- Expected **time** frame: Low/Medium/High
- Change possible before **2030**? Yes/No
- Multiple **factories/suppliers** involved? Yes/No
- Machines/lines that can use **updating**? Yes/No
- Does it affect **shelf life**? Yes/No

[Complexity drivers](#)

6.

- ☐ **Prioritise** design changes based on complexity and long-term impact
- ☐ Define **KPIs** for success
- ☐ Develop a **testing plan**
- ☐ Begin testing prototypes and gather initial **feedback**
- ☐ Ensure **documentation of specifications and recyclability tests** for regulation