PVC 3D: Design – Data – Dialogue

DPP Starter Kit – EU requirements and common industry practices

Introduction

The **Digital Product Passport (DPP)** is becoming a mandatory digital information system for construction products under the new European regulatory framework.

This Starter Kit provides a practical overview of the key information, documentation and technical elements that manufacturers should prepare when implementing a DPP.

For detailed explanations of the regulatory framework and applicable legislation, please refer to the accompanying document **DPP Guidance**.

1. DPP Data Content

A Digital Product Passport is built around a defined set of product information that accompanies the product throughout its lifecycle. Data collection begins during manufacturing and is updated whenever relevant product information changes.

Category	Information to be included
Product identification	Product identity, manufacturer, origin
Compliance & Performance	Technical specifications, CE documentation, applicable legislation
Sustainability & Circularity	Material composition, recycled content, bio-based content, substances of concern, lifecycle indicators
Use phase	Installation, safe use, maintenance, repair, upgradeability
End of life	Disassembly, reuse, recycling, take-back, disposal

2. Company Responsibilities

Manufacturers remain responsible for maintaining accurate, secure and up-to-date DPP information throughout the product lifecycle.

Requirement	Description
Identity verification	Company registration before creating DPPs
DPP registration	Passport registration for each product group
Standard interfaces	Use of specified interfaces and formats
Data quality	Accuracy and timeliness of information
Version control	Traceability of changes
IT security	Compliance with access security requirements
Data protection	Compliance with applicable data protection rules

3. Declaration of Performance and Conformity (DoPC)

The DoPC is one of the core documents included within the Digital Product Passport.

Information	Included
Product description	☐
Permalink / Data carrier	☐
Manufacturer	☐
Authorised representative	☐
Notified Body	☐
Technical Assessment Body	☐
Certificates / Validation reports	☐
Technical references	☐
Declared performance	☐
Sustainability characteristics	☐
Assessment system	☐
Manufacturer declaration	☐
Signature	☐

4. Relevant CEN Standards

Several European standards support the implementation of Digital Product Passports. The table below summarises their primary purpose.

Standard	Purpose
EN 18216:2026	Data exchange protocols
EN 18219:2026	Unique identifiers
EN 18220:2026	Data carriers
EN 18221:2026	Data storage and archiving
EN 18222:2026	APIs
EN 18223:2026	System interoperability
FprEN 18239:2026	Access rights and information security
FprEN 18246:2026	Authentication and data integrity

5. Product Identification

Each Digital Product Passport must be linked to a physical product through an appropriate data carrier.

Available Technologies

Technology	Typical use
Printed barcode	Simple identification
Printed QR code	Most common solution for DPP
RFID tag	Automated identification
Digital watermark	Invisible product identification

Additional identification options

Technology	Notes
Laser engraving	Permanent visible marking
Embossing	No additional material required

6. Key Takeaways

When preparing a Digital Product Passport, manufacturers should ensure that:

✓	Action
□	Product information is collected during manufacturing
□	All required DPP data are available
□	DoPC documentation is completed
□	Appropriate data carrier is selected
□	Product is uniquely identifiable
□	DPP information is maintained throughout the product lifecycle