

XFRAME®

XFrame QR System

Overview & Instruction Manual



Overview

The XFrame QR System is a tracking and identification system used to monitor panels and linings throughout their lifecycle after assembly.

Once a panel or lining has been assembled, a unique QR label is applied to the component. These QR labels allow each item to be identified, tracked, and linked to a specific project.

The system supports XFrame's circularity ethos by enabling long-term traceability of demountable components. Because panels and linings can be removed, relocated, stored, and reused, the QR System helps maintain a record of each component throughout its lifecycle.

The system is used to:

- × Track the location and status of panels and linings
- × Identify which project a component belongs to
- × Monitor reusable stock in storage for future redistribution
- × Support future circular reuse and buy-back initiatives

By assigning a unique QR code to each assembled component, the XFrame QR System provides a consistent method for tracking, managing, and supporting the future reuse of XFrame products over time.

QR Label Types

The XFrame QR System uses two label types to identify and track assembled components: Panel Labels and Lining Labels.

Lining Label



Panel Label



Each QR Label is made up of four main components:

The QR Code

The QR Code is the primary scannable element of the label. When scanned, it links the component to its digital tracking information within the XFrame QR System.

ShortID

The ShortID is the last 8 characters of the component's UUID. This provides a shorter and more readable identifier for quick visual reference and manual identification.

UUID

The UUID (Universally Unique Identifier) is the full unique identification number assigned to the component. This UUID is used

to maintain lifecycle traceability of each individual panel or lining.

BatchID

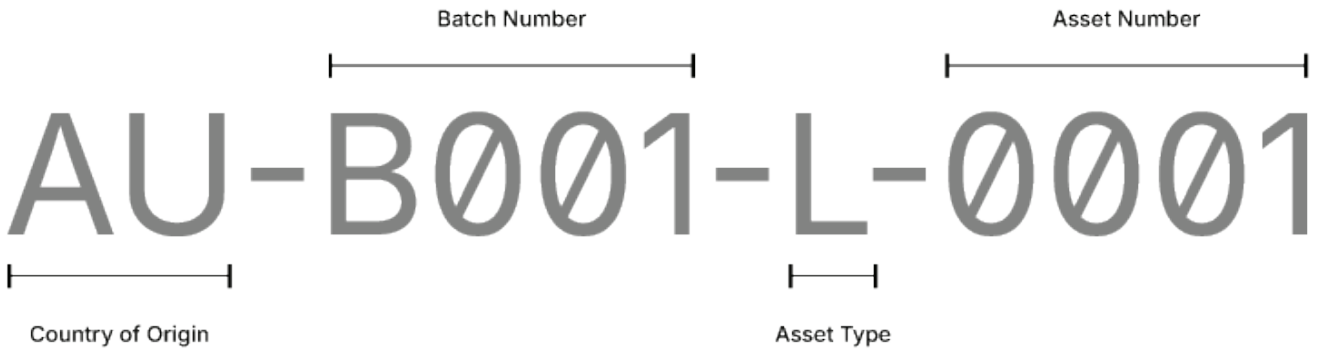
The BatchID contains manufacturing and component classification information, including:

- × Country of Origin
- × Batch Number
- × Asset Type
- × Asset Number

The BatchID provides a quick method for identifying where and when a component was produced, as well as its asset classification within the XFrame system.

How to read the BatchID

The BatchID is structured to provide key manufacturing and asset information in a standardised format.



Panel Label

Panel Labels are applied to assembled panels using a folded corner label format that wraps across both the front face and side edge of the panel.



Lining Label

Lining Labels are applied to the rear side of assembled linings and are positioned according to lining size requirements.



QR Label Placement

General Requirements

- × Apply labels straight
- × Ensure full adhesion
- × Do not cover holes or hardware
- × Maintain consistent placement
- × Ensure QR code remains full scannable

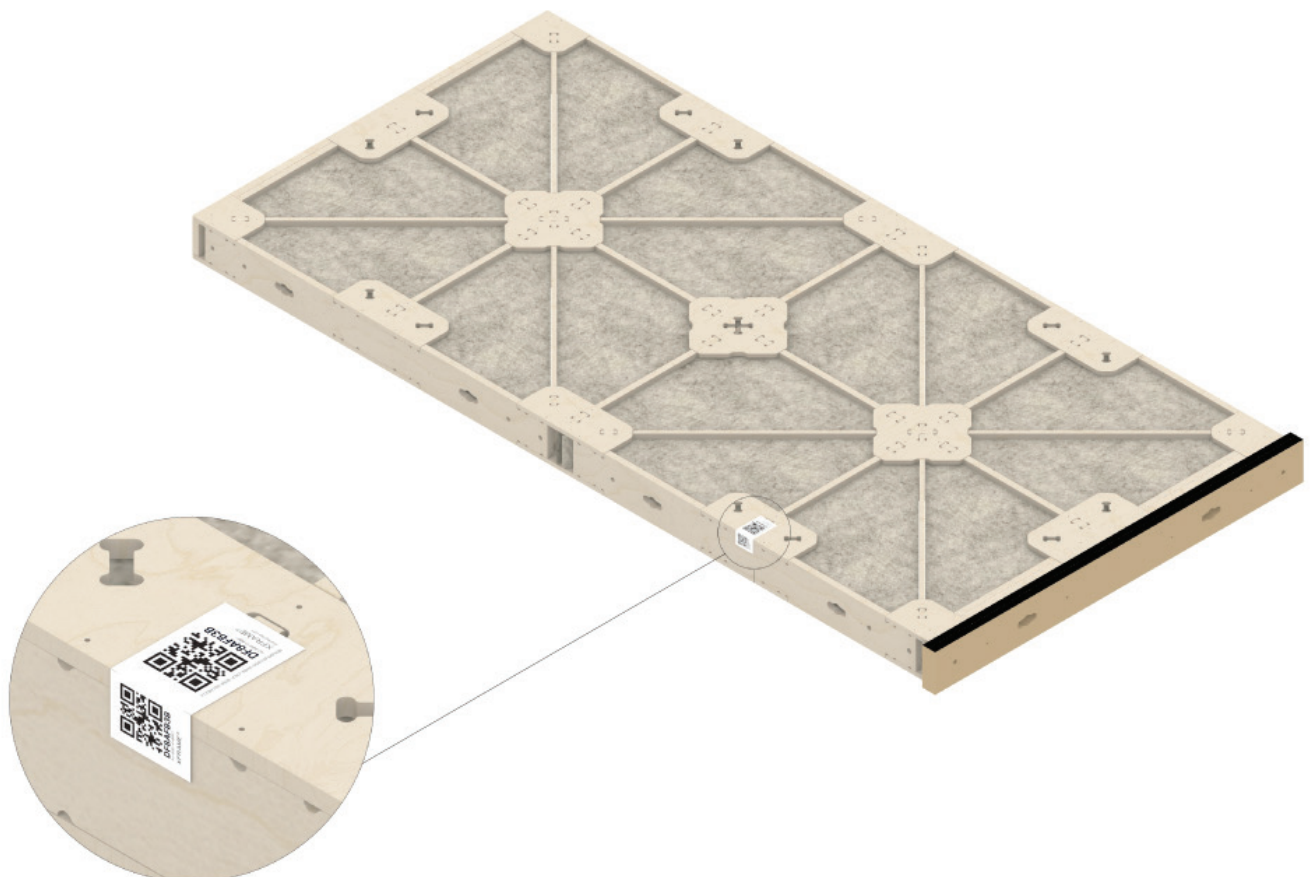
Panel Label Placement Instructions

Apply one QR label to the bottom-left corner of Part 2, as shown in the render. Position the label so it wraps over the corner of the panel, with one portion adhered to the front face and the other portion adhered to the side edge.

Orientation requirements:

- × The shorter upright section of the QR label should be placed on the side edge of the panel.
- × The longer horizontal section of the QR label should be placed on the front face of the panel.

Ensure the label is applied in the same location and orientation on every panel.



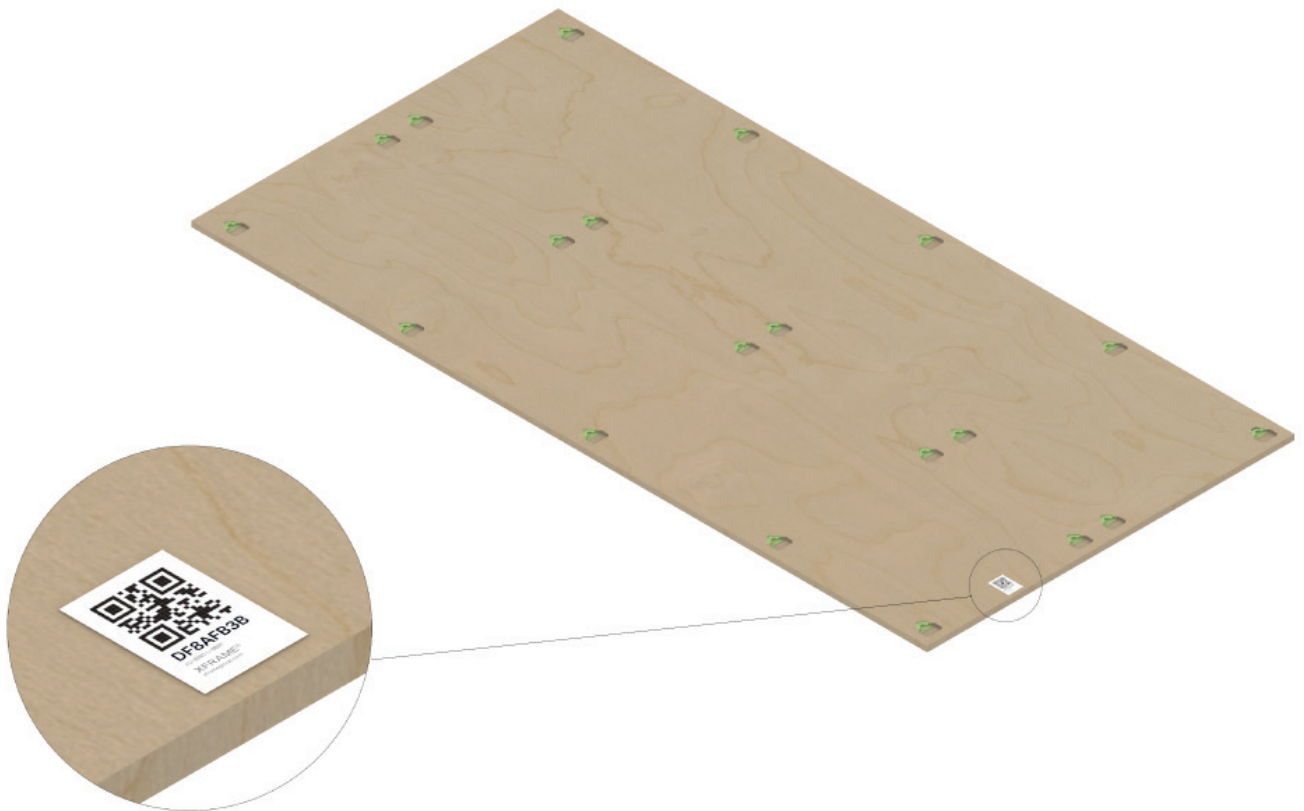
Lining Label Placement Instructions

Apply one lining label to the back side of the lining panel, as shown in the render.

Label placement varies by lining size:

- × For the 600mm lining, place the label at the bottom center, positioned between the two bottom clip pockets.
- × For the 1200mm lining, place the label at the bottom of the panel, positioned between the bottom left pocket clips.

Ensure the label is applied in a consistent location and orientation on every lining panel.



Registering an Assembled Asset

Once the QR Label has been applied to the assembled asset, the label must be scanned and registered within the XFrame QR System.



Manufacturer / Asset Scanning

Scan the QR code to open as a native app on iOS or Android.
Login with your retool account.

Scanning Procedure

1. Open the App.
2. Click the 'Scan' Button on the bottom right corner of the app.
3. Scan the QR Code.
4. Check that the ShortID name is the same as the one on the label.
5. Click on the 'Asset Type' select field.
6. Select the correct 'Asset Type' for asset being registered.
7. Click 'Update Status' on the top right hand corner.
8. Mark the asset as "Assembled" within the system.
9. 'Are you sure you want to update?' pop up will appear.
10. Click 'Ok' to proceed.
11. Wait for it to refresh.
12. Click on the arrow next to the ShortID to look at more details.
13. Check that everything is up to date.

Once completed, the asset will be registered and linked to its corresponding project and lifecycle tracking information within the XFrame QR System.

