

# TECHNICAL BULLETIN # 09

CREATED: 12/05/21

## *Formance Panels as an Interior Lining*

The faces of a Formance panel are constructed from Oriented Strand Board, a unique structural material made from natural wood fibers that are aligned during the manufacturing process to give the panel structural properties.

OSB is manufactured to stringent quality standards by certified plants. The manufacturer adds a "millmark" on the board after manufacture to identify the key characteristics of the board and to what standard it has been manufactured.

The most common option for finishing the interior of Formance SIP's is to add a layer of plasterboard. In fact, most sheet material can be readily applied to the inside face of the SIP as a lining. The lining can be fixed directly to the panel or onto a service cavity as per Bulletin # FTB001.

However, for some projects, there may be a reason to leave the face of the Formance panels exposed and to direct finish the panels without an additional lining. If choosing this finish consideration will need to be given to the presence of the millmarks on the face of the OSB.

These millmarks can be removed by sanding the surface. A considerable effort is required to remove the marks and care needs to be taken not to remove excessive thickness of board, thus affecting the structural capacity. Mostly it is easier to use a solid darker colour to hide rather than remove the millmarks.

Other things to consider with exposed SIP's,

- The irregularities of the manufacturing process can cause the visual appearance of panels to be inconsistent,
- The sill plate can be seen and would need a skirting board to conceal it if desired.
- In some cases, a top plate packer is required, this can be seen on the interior unless concealed with a scotia or similar.
- The panels have a variable 3mm construction tolerance gap between them which may be inconsistent depending on the installation.



- The perimeter of each panel has nails @ 150mm centres which are exposed and will be visible.
- The sheet edges can swell slightly if over exposed to the elements during construction, affecting the look of the joints. Some joint sanding may be required.

See accompanying Resene Spec for guidance.



**Figure 1 – Showing the interior of Formance SIP panels with typical millmarks**



**Figure 2 – Exposed Formance SIP showing the use of solid colour paint**





## Formance Finishes

Contract:	<b>Interior</b>
Building:	<b>Residential</b>
Location:	<b>New Zealand</b>
Owner/Agent:	<b>Formance</b>
Specification No:	<b>050535-04-21/v1</b>
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Date:	<b>27 April 2021</b>

### Note – dark patches

**For pigmented finishes, particularly in light colours, any tannin stains or dark timber visible through the Quick Dry and or Sureseal should be spot primed with Resene Stainlock before application of the top coats.**

DRY AREA WALLS AND CEILINGS - PAINT, LOW SHEEN  
DRY AREA WALLS AND CEILINGS - PAINT, FLAT  
DRY AREA WALLS AND CEILINGS - PAINT, SEMI-GLOSS  
DRY AREA WALLS AND CEILINGS - CLEAR COAT, SATIN  
DRY AREA WALLS AND CEILINGS - STAINED AND CLEAR COAT, SATIN  
DRY AREA WALLS AND CEILINGS - WHITEWASH AND CLEAR COAT, SATIN  
WET AREA WALLS AND CEILINGS - PAINT, LOW SHEEN  
WET AREA WALLS AND CEILINGS - PAINT, SEMI-GLOSS  
DRY AREA FLOORS - CLEAR, SATIN  
TIMBER JOINERY AND TRIMS - PAINT, SEMI GLOSS  
TIMBER JOINERY AND TRIMS - CLEAR COAT, SATIN



## Schedule of Paint Systems

### DRY AREA WALLS AND CEILINGS - PAINT, LOW SHEEN

paint new interior walls - particleboard, strandboard, MDF, plywood

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:14/1</a>	
Primer / Sealer	1 coat of Resene Quick Dry - Primer Undercoat	D45
Topcoat System	2 coats of Resene SpaceCote Low Sheen	D311

### DRY AREA WALLS AND CEILINGS - PAINT, FLAT

paint new interior walls - particleboard, strandboard, MDF, plywood

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:14/1</a>	
Primer / Sealer	1 coat of Resene Quick Dry - Primer Undercoat	D45
Topcoat System	2 coats of Resene SpaceCote Flat	D314

### DRY AREA WALLS AND CEILINGS - PAINT, SEMI-GLOSS

paint new interior walls - particleboard, strandboard, MDF, plywood

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:14/1</a>	
Primer / Sealer	1 coat of Resene Quick Dry - Primer Undercoat	D45
Topcoat System	2 coats of Resene Lustacryl - semi-gloss waterborne enamel	D310

### DRY AREA WALLS AND CEILINGS - CLEAR COAT, SATIN

clear coat new interior walls - particleboard, strandboard, MDF, plywood

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:10/1</a>	
Primer / Sealer	--- no sealer or primer required ---	
Topcoat System	3 coats of Resene Aquaclear - satin waterborne varnish	D59

### DRY AREA WALLS AND CEILINGS - STAINED AND CLEAR COAT, SATIN

clear coat new interior walls - particleboard, strandboard, MDF, plywood

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:10/1</a>	
Primer / Sealer	1 coat of Resene Waterborne Colorwood - interior natural wood stain	D50a
Topcoat System	3 coats of Resene Aquaclear - satin waterborne varnish	D59

### DRY AREA WALLS AND CEILINGS - WHITEWASH AND CLEAR COAT, SATIN

clear coat new interior walls - particleboard, strandboard, MDF, plywood

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:10/1</a>	
Primer / Sealer	1 coat of Resene Colorwood Whitewash	D50W
Topcoat System	3 coats of Resene Aquaclear - satin waterborne varnish	D59



### WET AREA WALLS AND CEILINGS - PAINT, LOW SHEEN

paint new interior walls - particleboard, strandboard, MDF, plywood

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:14/1</a>	
Primer / Sealer	1 coat of Resene Sureseal and 1 coat of Resene Quick Dry - Primer Undercoat	D45
Topcoat System	2 coats of Resene Room Velvet - low sheen hybrid waterborne-alkyd	D320

### WET AREA WALLS AND CEILINGS - PAINT, SEMI-GLOSS

paint new interior walls - particleboard, strandboard, MDF, plywood

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:14/1</a>	
Primer / Sealer	1 coat of Resene Sureseal and 1 coat of Resene Quick Dry - Primer Undercoat	D45
Topcoat System	2 coats of Resene Lustacryl - semi-gloss waterborne enamel	D310

### DRY AREA FLOORS - CLEAR, SATIN

clear coat new interior flooring - particleboard, strandboard, MDF

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:11/1</a>	
Primer / Sealer	--- no sealer or primer required ---	
Topcoat System	4 coats of Resene Qristal ClearFloor 1K - satin	D506

### TIMBER JOINERY AND TRIMS - PAINT, SEMI GLOSS

paint new interior joinery - windows, doors, skirting boards, shelving

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:9/1</a>	
Primer / Sealer	1 coat of Resene Quick Dry - Primer Undercoat	D45
Topcoat System	2 coats of Resene Lustacryl - semi-gloss waterborne enamel	D310

### TIMBER JOINERY AND TRIMS - CLEAR COAT, SATIN

clear coat new interior joinery - windows, doors, skirting boards, shelving

Preparation	Refer to <a href="#">SIPDS No. 2</a> Timber and <a href="#">Spec Sheet 2:10/1</a>	
Primer / Sealer	--- no sealer or primer required ---	
Topcoat System	3 coats of Resene Aquaclear - satin waterborne varnish	D59

This specification needs to be used in conjunction with the relevant datasheets (available at <http://www.resene.co.nz> or hard copies available on request). Proper application of this specification will ensure the Resene paint system will adhere to the substrate it is applied to.

If the substrate has elements or issues not covered in the specification, including the surface information and preparation datasheets (SIPDS), and any additional supplementary information please contact Resene Technical Services for clarification and additional information. SIPDS refers to the Surface Information and Preparation Datasheets.

Substitutions are not permitted to any specified Resene coating system, or associated components and products, without approval from Resene Technical Services. Do not combine paints from different manufacturers in a paint system

