

Technical Report

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Clever Choice Flooring

Verify Adhesion

- Clever Choice Timber Flooring- Timber Solution Pure
- Clever Choice Voyager Vinyl Plank
- Clever Choice 2.5mm Vinyl Plank
- Clever Choice rubber underlay
- Clever Choice cork underlay

Report By:

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Aim:

Samples of

Clever Choice Timber Flooring- Timber Solution Pure, Clever Choice Voyager Plank, Clever Choice 2.5mm Plank, Clever Choice rubber underlay, and Clever Choice cork underlay were submitted to RLA with the purpose of RLA providing Clever Choice Flooring with adhesive recommendations for various applications.

Method:

Subjective adhesion testing was carried out with the following adhesive and products to verify adhesion.

- Clever Choice Timber Flooring- Timber Solution Pure
- Clever Choice Voyager Vinyl Plank
- Clever Choice 2.5mm Vinyl Plank
- Clever Choice Rubber Underlay
- Clever Choice Cork Underlay

The following adhesives were applied.

- RLA X3 Timber Flooring Adhesive
- Roberts R2000 Universal Flooring Adhesive

V3 notched trowels were used for Timber flooring application.

V1 and or V2 notched trowels were used for Vinyl Plank application.

Samples were left for 7 days for conditioning, before Subjective adhesion testing was done, as shown in Figures 1.



Figure 1. Images of the samples used for different applications.

Results:

Subjective test results

Configuration	Underlay Type	Application Type	Comment
1	Cork Underlay to Hardboard <i>V1 notched Trowel</i> (Roberts R2000 Adhesive)	Clever Choice Voyager Vinyl Plank to Cork Underlay <i>V2 notched Trowel</i> (Roberts R2000 adhesive)	Good adhesion
2	Cork Underlay to Hardboard <i>V1 notched Trowel</i> (Roberts R2000 Adhesive)	Clever Choice 2.5mm Vinyl Plank to Cork Underlay <i>V1 notched Trowel</i> (Roberts R2000 adhesive)	Good adhesion
3	n/a	Clever Choice Voyager Vinyl Plank to Hardboard <i>V2 notched Trowel</i> (Roberts R2000 adhesive)	Good adhesion
4	n/a	Clever Choice 2.5mm Vinyl Plank to Hardboard <i>V1 notched Trowel</i> (Roberts R2000 adhesive)	Good adhesion
5	Cork Underlay to Hardboard V2 notched Trowel (RLA X3 Timber Flooring Adhesive)	Clever Choice Timber Flooring- Timber Solution Pure to Cork Underlay V3 notched Trowel (RLA X3 Timber Flooring Adhesive)	Good adhesion
6	Rubber Underlay to Hardboard V2 notched Trowel (RLA X3 Timber Flooring Adhesive)	Clever Choice Timber Flooring- Timber Solution Pure to Rubber Underlay V3 notched Trowel (RLA X3 Timber Flooring Adhesive)	Good adhesion
7	n/a	Clever Choice Timber Flooring- Timber Solution Pure to Hardboard V3 notched Trowel (RLA X3 Timber Flooring Adhesive)	Good adhesion



Figure 2. Images of the samples used for Timber flooring applications after Subjective tests.

Conclusions and Recommendations:

Vinyl Plank Application

- Bonding Cork Underlay to Hardboard:

Roberts R2000 Adhesive displayed good adhesion when bonding Cork Underlay to Hardboard using V1 notched Trowel and is recommended for use.

- Bonding Rubber Underlay to Hardboard:

Roberts R2000 Adhesive displayed good adhesion when bonding Rubber Underlay to Hardboard using V1 notched Trowel and is recommended for use.

- Bonding Clever Choice Voyager Vinyl Plank to Cork Underlay:

Roberts R2000 Adhesive displayed good adhesion when bonding Clever Choice Voyager Vinyl Plank to Cork Underlay using V2 notched Trowel and is recommended for use.

- Bonding Clever Choice Clever Choice 2.5mm Vinyl Plank to Cork Underlay:

Roberts R2000 Adhesive displayed good adhesion when bonding Clever Choice Clever Choice 2.5mm Vinyl Plank to Cork Underlay using V1 notched Trowel and is recommended for use.

- Bonding Clever Choice Voyager Vinyl Plank to Hardboard:

Roberts R2000 Adhesive displayed good adhesion when bonding Clever Choice Voyager Vinyl Plank to Hardboard using V2 notched Trowel and is recommended for use.

- Bonding Clever Choice Clever Choice 2.5mm Vinyl Plank to Hardboard:

Roberts R2000 Adhesive displayed good adhesion when bonding Clever Choice Clever Choice 2.5mm Vinyl Plank to Hardboard using V1 notched Trowel and is recommended for use.

Timber Flooring Application

- Bonding Cork Underlay to Hardboard:

RLA X3 Timber Flooring Adhesive displayed good adhesion when bonding Cork Underlay to Hardboard using V2 notched Trowel and is recommended for use.

- Bonding Rubber Underlay to Hardboard:

RLA X3 Timber Flooring Adhesive displayed good adhesion when bonding Rubber Underlay to Hardboard using V2 notched Trowel and is recommended for use.

- Bonding Clever Choice Timber Flooring- Timber Solution Pure to Cork Underlay:

RLA X3 Timber Flooring Adhesive displayed good adhesion when bonding Clever Choice Timber Flooring- Timber Solution Pure to Cork Underlay using V3 notched Trowel and is recommended for use.

- Bonding Clever Choice Timber Flooring- Timber Solution Pure to Rubber Underlay:

RLA X3 Timber Flooring Adhesive displayed good adhesion when bonding Clever Choice Timber Flooring- Timber Solution Pure to Rubber Underlay using V3 notched Trowel and is recommended for use.

- Bonding Clever Choice Timber Flooring- Timber Solution Pure to Hardboard:

RLA X3 Timber Flooring Adhesive displayed good adhesion when bonding Clever Choice Timber Flooring- Timber Solution Pure to Hardboard using V3 notched Trowel and is recommended for use.