

## TECHNICAL REPORT

**Title: Lab Report**

Wet & Dry adhesion test on Abodo  
Timber

**Teknos Report Ref:**

Tek : 77278

**Prepared By:**

David Cox

**Prepared for:**

Abodo

### Test Purpose

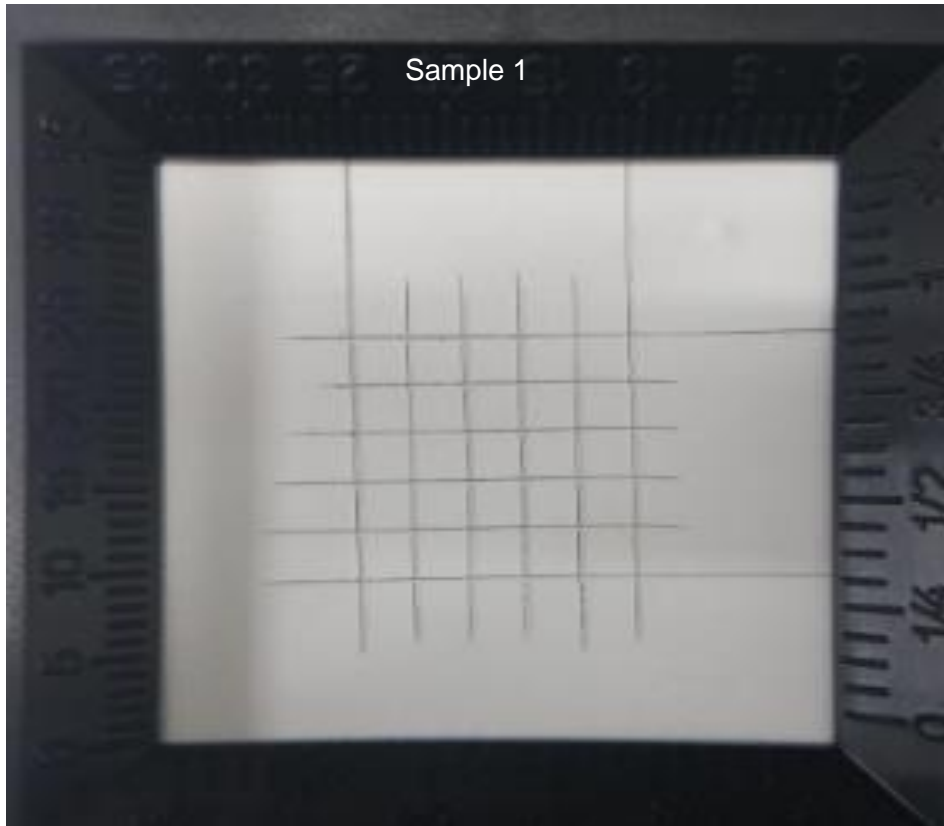
To test the adhesion performance of Teknos coatings to the substrate ( Abodo ) provided by Abodo UK. Abodo is a thermally modified timber which originates from New Zealand Radiata Pine. Wet and Dry adhesion tests were carried out across the four pieces ( see below )



Product Tested

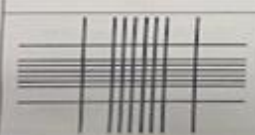
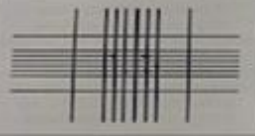
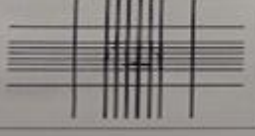
2 x Aquatop 2901 Antistain Aqua & 1 x Aquatop 2600-22 Clean White Satin

The sample was manually sanded with 220 grit prior to application



The above is an indicative result of both wet and dry adhesion tests

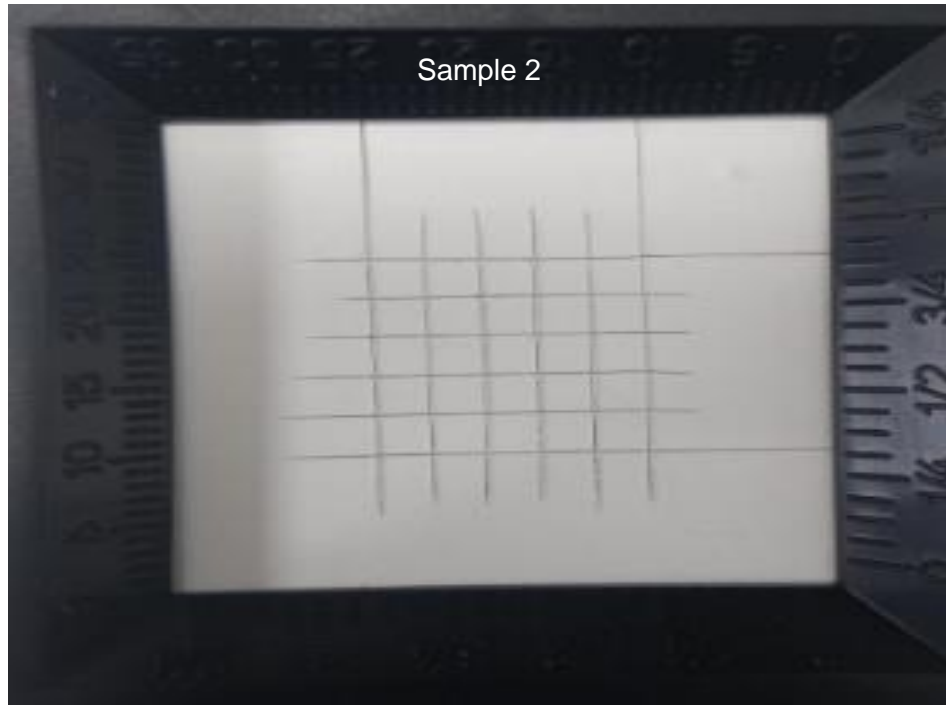
For the purpose of consistency and accuracy two tests were carried out- wet towels were compressed onto the substrate and left in situ for 3 hours , at the end of the period ,the adhesion tests were carried out using a cross cut template with 2mm spacings & ACC753 adhesive tape.

4. Overview - Cross-cut classification		
cross-cut	according to EN ISO 2409	according to ASTM D 3359
	<b>0:</b> The edges of the cuts are completely smooth, none of the squares of the lattice is detached.	<b>5B:</b> The edges of the cuts are completely smooth; none of the squares of the lattice is detached.
	<b>1:</b> Detachment of small flakes of the coating at the intersections of the cuts. A cross-cut area not greater than 5% is affected.	<b>4B:</b> Small flakes of the coating are detached at intersections; less than 5% of the area is affected.
	<b>2:</b> The coating has flaked along the edges and/or at the intersections of the cuts. A cross-cut area greater than 5% but not greater than 15% is affected.	<b>3B:</b> Small flakes of the coating are detached along edges and at intersections of cuts. The area affected is 5% to 15% of the lattice

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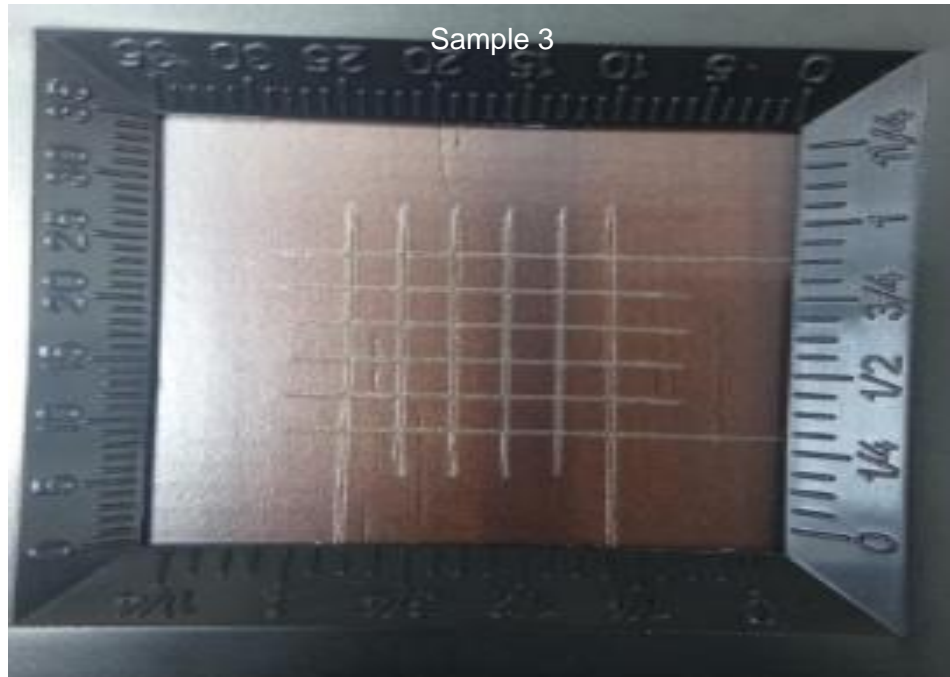
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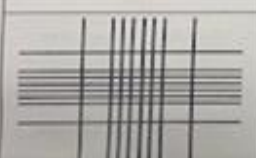
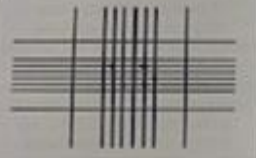
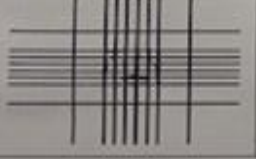
1 x 2907 Teak & Aquatop 2 x 2600-24 Teak

The sample was manually sanded with 220 grit prior to application



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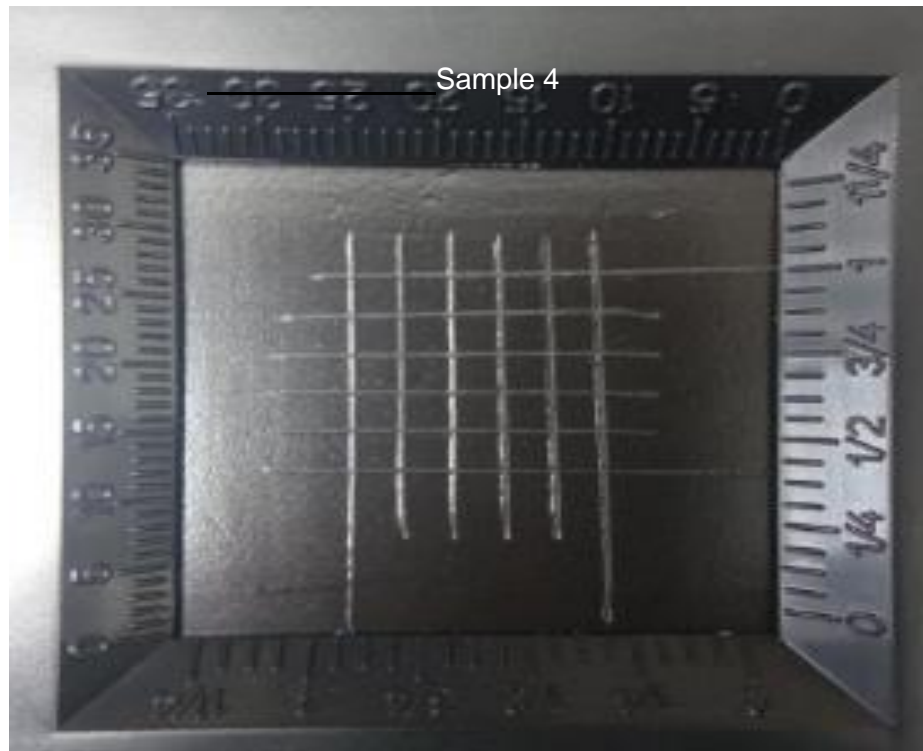
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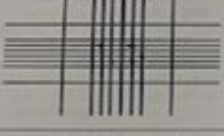

1 x 1410 Preservative 1 x 2900 Colourless & 2 x Aquatop 2600-24 Ebony

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Wet and Dry adhesion test conclusion

The samples were left to cure for 7 days after the application, the coatings were applied as per Teknos specification. **(available on request)**

1410 – Dipped

2907 – Dipped

2901 – Sprayed applied 150 – 175  $\mu$

2600 CWS / Teak – Spray applied 150 -175  $\mu$  per coat.

**Both forms of adhesion tests had cross hatch tests that met ISO Class 0 on the Abodo timber.**