

1. Chemical Testing

Note: All test substances were applied on a finished surface with the effect lasting for 24 hours.

Tests	
Test Substance	Outcome
Acetone (drops on a surface)	no reaction
Acetone (wiping a surface with an acetone-soaked cloth)	no reaction
Pencil	no reaction
Vinegar	no reaction
Acetic acid	no reaction
Perfume (80 % vol)	no reaction
Coffee	no reaction
Lipstick	no reaction
Milk	no reaction
Oil	no reaction
Detergent: Vanish	no reaction
Red wine	no reaction
Hydrochloric acid – Household cleaning grade	no reaction
Fountain Pen Ink	very mild staining
Stamp Pad Ink	Staining Observed
Tea	no reaction
Mascara	no reaction
Lemon juice	no reaction
Hair Dye	no reaction
Greasy Water	no reaction
Tooth Paste	no reaction
Lizol	no reaction

2. Water Resistance & Joint Stress Testing

The surface finish as well as the joinery has also been tested by filling a wash basin with boiling water, and left for approximately 48 hrs to ensure that the integrity of the finish as well as the joints are uncompromised. The same test was then repeated with the water retained in the basin for 24 hours. No effect observed

TYPE 1 TESTING:

Type 1 tests are conducted using 6” by 6” birch laminates glued together to make three-plywood. These 6” by 6” assemblies are cut into 1” by 3” specimens, boiling them for 4 hours, then baking the specimens in a 145°F oven for 20 hours. They are boiled for an additional 4 hours, then immediately cooled using running water. The specimens are sheared while wet and the bonds must pass certain strength and wood failure requirements to pass the Type 1 specifications.