## JOHN ASHWORTH & PARTNERS Ltd.

Investigation Services Paints, Floorings, Chemical Analysis

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## **REPORT**

- Prepared for Treatex Ltd Unit I Howland Road Business Park Howland Road Thame Oxfordshire OX9 3GQ
- Subject Liquid Resistance Tests

Report No. R3120/20

Date 21<sup>st</sup> December, 2020

Services:- Chemical Analysis, On-Site Investigations, Expert Witness, Problem Solving, Research and Development, Innovation Area of Expertise:- Solvents, Paints, Coatings, Plastics, Rubbers, Building Materials, Flooring D.T.I. S.M.A.R.T. Award Winners 1989, 1992 and 1994 Clean Technology Award Winners 1990 Conservation Award Winners 1990 Company No. 4140217 • V.A.T. Reg. No. 408 2338 67

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We were supplied with a section of oak-faced engineered wooden flooring, this had been coated with Treatex Hardwax Oil Ultra.

Resistance to various liquids was carried out according to ASTM D1308-02 – *Effect of Households Chemicals on Clear & Pigmented Coatings* ref. Sect. 6.1.1 – Water, 6.1.13 Beverages.

For 6.1.13 the beverages used were –

Tea (black) Instant Coffee (black) Red wine – ruby cabernet Fruit juice – Tropicana Coca Cola – Zero sugar

One ml. of each liquid was placed on the surface of the timber, covered with a watch glass & left for 1 hour & 6 hours respectively. After these times the liquids were wiped off & the lacquer examined. Two classifications were used:-

Physical damage e.g. blisters, softness etc.

Class 1 – Blisters or other film damage Class 2 – softness Class 3 – slight softness Class 4 – no effect

Stain retentionScale of Class 1 to Class 5 using reference colourSwatches.Class 1 intense colour, Class 5 no stain

## Results

Liquid	Time 1 hour		Time 6 hours	
	Damage	Stain	Damage	Stain
Water	Class 4	-	Class 4	-
Теа	Class 4	Class 5	Class 4	Class 5
Coffee	Class 4	Class 5	Class 4	Class 5
Red wine	Class 4	Class 5	Class 4	Class 4-5
Fruit juice	Class 4	Class 5	Class 4	Class 5
Coca Cola	Class 4	Class 5	Class 4	Class 5

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Report checked by :

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