

RYNO [®]

DETERGENT RESISTANCE TEST

Pineapple

01

INTRODUCTION

01.1

TEST

This document reviews and evaluates an array of tests for Ryno range detergent resistance. The aim was to check for any surface reactions of Ryno products via repetitive use of chosen cleaning products.

The information and data contained in this report should be used only as a general guideline. This document provides information about possible outcomes of the cleaning chemicals when coming into contact with Ryno products only.

Detergent resistance test was executed in normal conditions and involved five trials, executed in 24 hour intervals.

The normal conditions in the test include the following:

- Indoor, dry environment
- Room temperature
- The absence of internal and external mechanical stress

CLEANING DETERGENTS USED IN TEST

- Multipurpose cleaning wipes
- Detol spray (multi-surface antibacterial cleaner)
- Cif cream (abrasive cleaning product)
- Bleach (Hydrogen peroxide disinfectant)
- Cillit Bang Limescale (general household detergent)
- Cillit Bang Black Mould (general household detergent)
- Cif Kitchen (general household detergent, degreaser)
- Paint thinner (brush cleaner)
- White spirit (alcohol based cleaner/degreaser)
- Haz Tabs (chlorine disinfectant)



01.2

RESULTS

Each detergent was applied separately, on a different part of a chair, with a different clean cloth in order to avoid contamination to ensure we received credible results.

After the 5th application the whole surface was washed with water, to allow comparison with the control surface.

DETERGENT	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Cleaning wipes	No effect	No effect	No effect	No effect	No effect
Detol spray	No effect	No effect	No effect	No effect	No effect
Cif cream	Very slight matte effect	No further changes	No further changes	No further changes	No further changes
Bleach	No effect	No effect	No effect	No effect	No effect
Cillit Bang Limescale	No effect	No effect	No effect	No effect	No effect
Cillit Bang Black Mould	No effect	No effect	No effect	No effect	No effect
Cif Kitchen	No effect	No effect	No effect	No effect	No effect
Paint thinner	No effect	No effect	No effect	No effect	No effect
White spirit	No effect	No effect	No effect	No effect	No effect
Haz Tabs	No effect	No effect	No effect	No effect	No effect

	No negative effects have been found from the detergents tested, with the exception of Cif cream.
	Acting as an abrasive cleaner, Cif cream created a matte effect on the surface. This is a superficial change and does not impact the strength of the product.
	Possibly because of roughness of Ryno's surface Cif cream's micro granules are difficult to be washed-up, so the matte effect might be caused by any Cif residue, that is difficult to remove.
	Despite the fact that no negative effect was registered for solvents (brush cleaner and white spirit) their usage still comes with a high risk and it shouldn't be recommended as a safe cleaning product.
	Other cleaning methods like steam and jet washing were not included in this test, but as a result of previously conducted cleaning actions related to after sale care, it has been proved that using high temperature and pressure removes outer surface and leaves a dull finish.

01.3

CLEANING PRODUCTS RECOMMENDATIONS



CAN BE USED

- Multipurpose cleaning wipes
- Multi-surface anti-bacterial cleaners
- Bleach
- General household detergents and degreasers
- Chlorine disinfectant for bodily fluids.



NOT ADVISED

- Steam cleaning
- Abrasive cleaning products
- Paint thinner
- White spirit