

Brake Fluid resistance test



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The use of car brake fluid as a method of damaging surfaces is a fairly common problem faced by property owners.

SCOPE

This method is for the determination of resistance to brake fluid of the material listed below.

This test applies to:

Surfaces coated with easy-on durability coating

The test sample is a steel Q Panel size 125mm x 75mm coated with a single coat of easy-on at 33 microns and left to fully cure in compliance with the coating instructions.

The test is developed by Urban Hygiene since there are no known British, National or International Standards covering this topic.

PROCEDURE

Two standard commercially available products were chosen at random for the test - Duckhams Dot 40 and Castrol synthetic Dot 4 brake fluids.

The test fluids were poured into individual rectangular containers and a coated panel was submersed in each.

The panels were left submersed for a total of 24 hours at the end of which they were removed and examined to establish if the fluid had any effect on the integrity of the coating.

ASSESSMENT

At the end of a 24 hour period, the containers were inspected. First observation was that the brake fluid on both panels had formed droplets as would be expected from an oleo phobic material.

The panels were removed and examined visually - No damage was evident.

The panels were tested by scraping to see if the coating had softened – no softening had occurred.

Both panels were then washed and re-examined. The easy-on coating had proven to be totally resistant to both makes of fluid and the coating was unchanged.