



— RECOAT —



EXTENSIVE TESTING TO THE HIGHEST STANDARDS: RECOAT FLOOR 2K TESTS FOR TFL

Extensive testing: a must for reliability and safety

Recently our Recoat FLOOR 2K anti-slip coating system has been officially approved by one of the most renowned European underground railway systems that is part of Transport for London (TfL).

Measuring the slip resistance via pendulum tests resulted in an **R12 rating**, where R stands for Ramp on a scale from R9 to R13. We are proud of this achievement and therefore like to share a glimpse of the process of extensive testing.

The 'Fire Safety Performance of Materials – Stations and Tunnel Infrastructure' standard specifies the requirements for materials with regard to combustibility, smoke emission and toxic fume emission. Fulfilling these requirements qualifies a product for use in subsurface locations. This is the strictest qualification in the business.

Certificates to rely on

That's why we work closely together with independent product testing companies such as Warringtonfire, Knightscott Surface Solutions, Efectis and Dercom coating innovations before launching new coating products on the maintenance market.

Our products are also tested according to current NEN and ISO standards on a variety of surfaces with regard to:

- hardness,
- resistance to liquids,
- cross-cut tests,
- elasticity,
- resistance to cracking,
- elongation and/or detachment from a test panel.



Transparency about test results

An information leaflet with an overview of all executed tests including test reports of the Recoat Floor 2K anti-slip coating system is available on our website ([download PDF](#)). In this post we offer a glimpse of the tests executed by Warringtonfire, Knightscott Surface and Efectis.

Test number	Test name	Description	Testing company
26012022	Pendulum (slip test)	Measuring slip resistance	Knightscott Surface Solutions Ltd.
412336	Smoke and Toxicity assessment	To determine the toxic fume and optical density produced from Recoat Floor	Warringtonfire Testing and Certification Ltd.
412342	Smoke density	To determine the smoke density of Recoat Floor when tested in accordance with BS 6853	Warringtonfire Testing and Certification Ltd.
2021-Efectis-R001811	Fire test	Reaction to fire testing of Recoat Floor ignitability test according to EN ISO 11925-2:2020.	Efectis Netherlands
20188340070	Abrasion resistance report according to ISO 7784 (ASTM D4060/ Wear and tear test	Test equipment: taber Abraser. Taber wear factor: 83.1	Dercom BV



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Sustainable and safe as a starting point

At Recoat, it is our mission to develop and produce water-based coatings in accordance with the "Green Chemistry" principle. All coatings are intended to reduce strain on the whole maintenance sector and therefore, to change the living environment. This is made possible by focusing on extending the lifespan of existing materials instead of replacing them. To achieve our mission we aim to meet the strictest qualifications when it comes to the performance of our products. We strongly focus on the durability and safety of our coatings in all circumstances.

Customer specific tests

We're open to performing customer specific tests that meet your needs. Please contact us if you require any other information, we look forward to helping you with sustainable protection that lasts.