



Abrasion Resistance Test

Objective

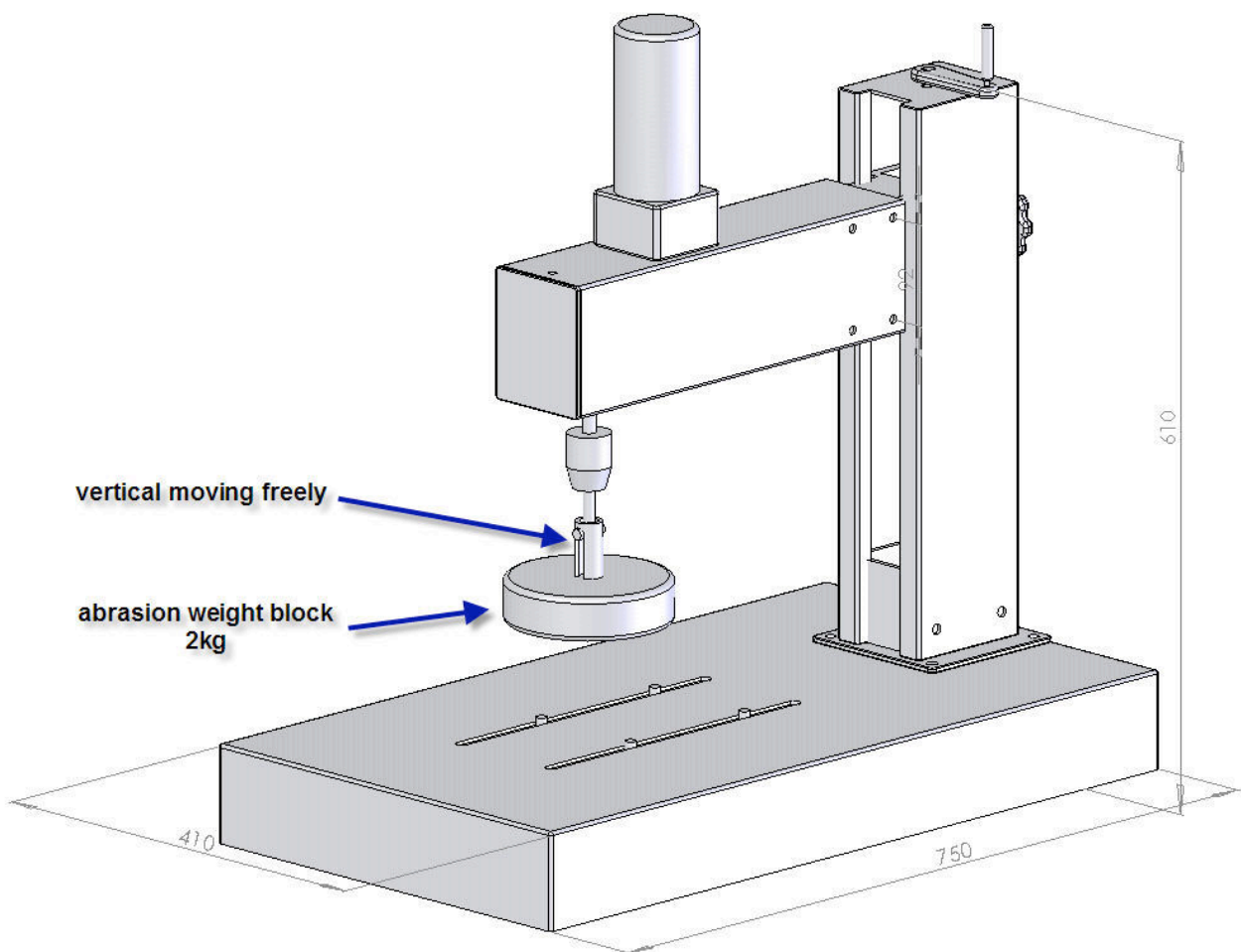
The test is to determine the abrasion resistance of the ceramic non-stick coating for various applications.

Apparatus

- Abrasive Pad (3M Scotch-Brite 7447), consisting of a random nylon web impregnated with phenolic resin and aluminium oxide, 30 x 70 mm
- Abrasion Tester (Drawing 1)
- 50 mL of a 5g/L dishwashing detergent solution

Procedure

1. Mount the coated specimen under the support and apply the loaded abrasive pad on the non-stick surface.
2. Lubricate the surface by 50 mL of the detergent solution.
3. Keep the loaded abrasive pad stationary, move the reciprocating support backwards and forwards over a distance of 50 mm \pm 2.5 mm either side of the central point.
4. Continue for 250 cycles, and renew after another 250 cycles.
5. Continue until the metal becomes visible.
6. Record number of cycles for coating breakthrough.



Cerasol Tester for Abrasion Test