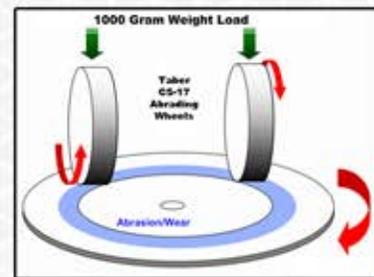


CERAKOTE

ASTM D4060: ABRASION RESISTANCE

Taber Abrasion is a test using a weighted abrasive wheel that rotates at a constant speed to determine the resistance of finishes to abrasion and wear, as stated by test standard ASTM D4060. Seven competitive finishes including Cerakote® H-146 Graphite Black were tested in accordance with ASTM D4060. Each finish was tested three separate times in order to validate the test result. Panel weights and mil thickness were measured prior to the start of each test to determine a wear rating. A 1000 gram weight was placed on CS-17 Taber Abrasion wheels as required by ASTM testing standards for testing finishes. Panels were cycled until the Taber wheel wore through the finish to the steel substrate. Finishes that required more than 500 cycles to wear through to the substrate were stopped every 500 cycles for the Taber abrasion wheels to be cleaned. Cleaning the Taber wheels every 500 cycles is a requirement to ensure accurate results. Once the Taber wheel has breached the finish, the Taber abrader is stopped and a final weight is taken to determine the wear rating for each finish. Wear ratings are calculated by taking the weight of the test panel before abrasion and subtracting the weight of the test panel after abrasion and multiplying that by 1,000. That number is then divided by the number of cycles completed before the finish was worn through. The resulting number is the specified wear rating for that finish. Based on ASTM testing standard D4060, Cerakote® Finished Strong by lasting nearly twice as long as the nearest competitive finish and 24 times as long as the furthest competitive finish.



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WWW.CERAKOTE.COM 866-774-7628



7050 6TH STREET WHITE CITY, OR 97503