

ASTM C-501

ASTM C501 - 84(2002) Standard Test Method for Relative Resistance to Wear of Unglazed Ceramic Tile by the Taber Abraser

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Abstract

This test method covers the establishment of an abrasive wear index by determination of the loss of weight resulting from abrasion of unglazed ceramic tile by Taber Abraser. The test method consists of mounting the tile specimens in suitable holders, attaching the mounted holders to the spindle of the Taber Abraser, and subjecting the specimens to a prescribed number of revolutions under abrasive wheels of specified coarseness and under a definite applied load. The apparatus consists of Taber abrading machine, vacuum pick-up, revolution counter, wheel refacer, and balance. The procedure of sampling and mounting the test specimen are detailed. The formula for calculating the abrasive wear index from the loss of weight due to abrasion is given.

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1. Scope

1.1 This test method covers the establishment of an abrasive wear index by determination of the loss of weight resulting from abrasion of unglazed ceramic tile. It is applicable to tile described in Definitions C 242.

1.2 The values stated in inch-pound units are to be regarded as the standard.

1.3 < use. to prior limitations regulatory of applicability the determine and practices health safety appropriate establish standard this user responsibility is It its with associated any, if concerns, all address purport not does This>

2. Referenced Documents

[C242](#) Terminology of Ceramic Whitewares and Related Products
SS-T-308b Tile, Floor, Wall, and Trim Units, Ceramic

Index Terms

abrasive wear index; ceramic tile; resistance-abrasion; taber abramer; Wear testing; relative resistance to wear of unglazed ceramic tile, by Taber abramer; ICS Number Code 91.100.25

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