



Summit International Flooring

ASTM F970

“Standard Test Method for Static Load Limit”

DURA  **CRETE**

Summit International Flooring, Whippany, NJ

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Purpose

The Static Load Limit test method measures the recovery properties of resilient floor covering, after long-term indentation (namely 24 hours) under a specified load. The reported value, residual indentation, is the depth of the indentation remaining on the sample, 24 hours after the specified load is removed.

Test Procedure

After conditioning the sample according to the standard test method, the initial thickness of the sample was measured, wear layer up, in the center of the specimen, using a dial micrometer. The specified load (i.e. **1280 psi**) was applied to the specimen and allowed to remain for 24 hours. The load was then removed, and the sample was allowed to recover for 24 hours, at which time the same point was measured to determine the final thickness.

Test Result


Residual indentation was calculated as follows:

$$\text{Residual Indentation} = T_i - T_f$$

Where:

T_i = initial thickness of uncompressed sample

T_f = final thickness of specimen after 24-hour compression period and 24-hour recovery period

DURA  CRETE	Initial Thickness (T_i)	Final Thickness (T_f)	Residual Indentation
	0.337"	0.332"	0.005"