



GROUT SAMPLE BOX

The Deslauriers' Grout Sample Box is specifically designed for use in casting 3.125" X 3.125" X 6.250" prisms of masonry grout for verification of compressive strength and is intended to replace or supplement the "pinwheel" method of forming test specimens described in ASTM C1019.

The Deslauriers Grout Sample Box (GSB) is now permitted (with approval of the specifier As an alternate forming method in ASTM C1019-09, Section 6.2, and is discussed in Note 7.

Guidance for performing comparative tests and establishing a conversion factor is contained in Section 11.3, and is discussed in Note 11.

Reporting requirements for alternate forming methods are detailed in Sections 12.3 through 12.3.4.

The GSB is intended for use with lightweight and normal weight CMU. For heavyweight CMU and brick refer to the standard "pinwheel" forming method described in ASTM C1019.

The GSB incorporates a unique and patented slotted insert that closely matches the absorption and "wicking" action of typical concrete masonry units.

Independent test data:

Absorption of normal weight block = 1.40%

Absorption of GSB insert and liner = 1.38%



Test Comparisons: Over **2,000,000** samples have been cast using the GSB
Independent third party comparative tests have been performed by:

**Southwest Inspection and Testing
Cascade Testing Laboratory
Ninyo & Moore
Terracon Consultants**

**Robert L Nelson & Associates
Universal Laboratories
BTL Engineering Services**

Summary of comparative test data:

(Slumps ranging from 6" to 10 1/2"; strengths ranging from 3,000 to 6,500 psi.)

Description	Average 28 day PSI		Correction Coefficient (Pinwheel GSB)
	Pinwheel	GSB	
Lightweight Block	6200	6320	0.98
Standard Block	6010	6070	0.99
Unspecified Block	3470	3410	1.02
Unspecified Block	3480	3440	1.01

Conclusion: Comparative tests demonstrate no statistically significant difference in test results obtained from samples cast using the GSB and those cast using the traditional pinwheel method.