



School of Civil Engineering
Materials Testing Laboratory

Insearch Limited A.C.N. 001 425 065
PO Box 123, Broadway NSW 2007.
Gnd. Floor, 9 Broadway, Sydney 2007.
Phone: (02) 330 2151/2152/2153
Fax: (02) 281 5427

To: Mr. F. J. Mancer
Managing Director
Buildex Trading Co.

Date: 2-9-92

Ref. No. JT 0080

SUBJECT: TESTS ON:
VOIDFORM CONCRETE UNDERLAY

DESCRIPTION

Six specimens supplied by Buildex Trading Co. in assembled condition were tested in compression. The tests were performed using an A Grade testing machine at an approximate loading rate of 20 mm per minute.

Specimen 1	dimensions:	1000mm X 500mm X 150mm
Specimen 2	dimensions:	1000mm X 500mm X 75mm
Specimen 3	dimensions:	1000mm X 500mm X 100mm
Specimen 4	dimensions:	510mm X 510mm X 105mm
Specimen 5	dimensions:	500mm X 500mm X 105mm
Specimen 6	dimensions:	500mm X 500mm X 77mm

Date Tested 27-8-92

RESULTS

Specimen 1	Buildervoid Premium 2 layers type A partitions. Uniform distributed load applied on all the specimen's area. Maximum Load = 47.0 kN
Specimen 2	Buildervoid Premium 1 layer type A partitions. Uniform distributed load applied on all the specimen's area. Maximum Load = 53.7 kN
Specimen 3	Block Void. Uniform distributed load applied on all the specimen's area. Maximum Load = 35.8 kN



- Specimen 4 Duravioid Rat-Trap type.
Uniform distributed load applied on all the specimen's area.
Maximum Load = 16.2 kN
- Specimen 5 Buildervoid Original.
Uniform distributed load applied on all the specimen's area.
Maximum Load = 20.0 kN
- Specimen 6 Bildervoid Premium.
- a) Load applied with 100 mm square timber block on center of specimen.
Maximum Load at 20 mm deflection= 4.50 kN
 - b) Load applied with 100 mm square timber block on specimen's edge at midpoint.
Maximum Load at 20 mm deflection= 2.24 kN
 - b) Load applied with 100 mm square timber block on corner of specimen.
Maximum Load at 20 mm deflection= 2.20 kN

Tony Lah
Consultant