FIBSPAN testing units can be purchased from:
Atelier PMC
Box no. 2202
143 1ere Rue St.
Shippagan NB E8S 3H1 CANADA

PH: 506-336-4703 E-MAIL info@pmcmac.ca
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Subject: Bulk Density (FIBSPAN)

1. PURPOSE

The purpose of this procedure is to determine the bulk density of a one liter test sample.

FIBSPAN is recognized by Canadian Weights & Measures but not by the US Weights & Measures.

It is suggested to compare FIBSPAN results with one cubic foot box measurements and determine a correlation factor before using FIBSPAN as the only means of measuring bulk density.

Safety – All work is to be done in accordance with acceptable site safe work practices while maintaining a safe and clean work environment.

2. ASSOCIATED MATERIALS

- FIBSPAN apparatus which includes a one liter cylinder, collar, funnel and plunger.
- 12" straight edge ruler or equivalent
- Electronic Timer (3 minutes)
- Properly calibrated Balance which measures in grams.

3. PROCEDURE

1. Tare balance with empty one liter cylinder (bottom part) or determine weight of the empty unit or tare collection pan.
2. Assemble FIBSPAN unit on a stable area such as a countertop. Place collar on top of cylinder, then place funnel on top of collar.



[1] FIBSPAN = Fisons International British Standard Procedures AFNOR Normes

PROCEDURE - continued

3. Add sample material to above the collar level by bouncing the material off the sides of the funnel. *Once cylinder is filled, avoid moving or disturbing the cylinder*.


4. Remove funnel, score off excess with ruler. (*Keep collar on cylinder*)

5. Gently place weight on top of sample.

6. Set timer for 3 minutes.

7. After 3 minutes, remove weight and collar; carefully score off excess sample with ruler.



8. Weigh contents by placing cylinder on a tared balance (or subtract weight of collection pan).

9. Record weight.

4. To convert grams per liter to lbs./sq. foot.

Multiply grams/liter by 0.0625 = lbs./sq. foot.